U. S. NAVAL WEATHER SERVICE COMMAND

AD 747638

SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS

SOUTHEAST ASIAN COASTAL MARINE AREAS

VOLUME 1
AREA 1 - TONKIN GULF
AREA 2 - DA NANG
AREA 3 - NHA TRANG
AREA 4 - SAIGON

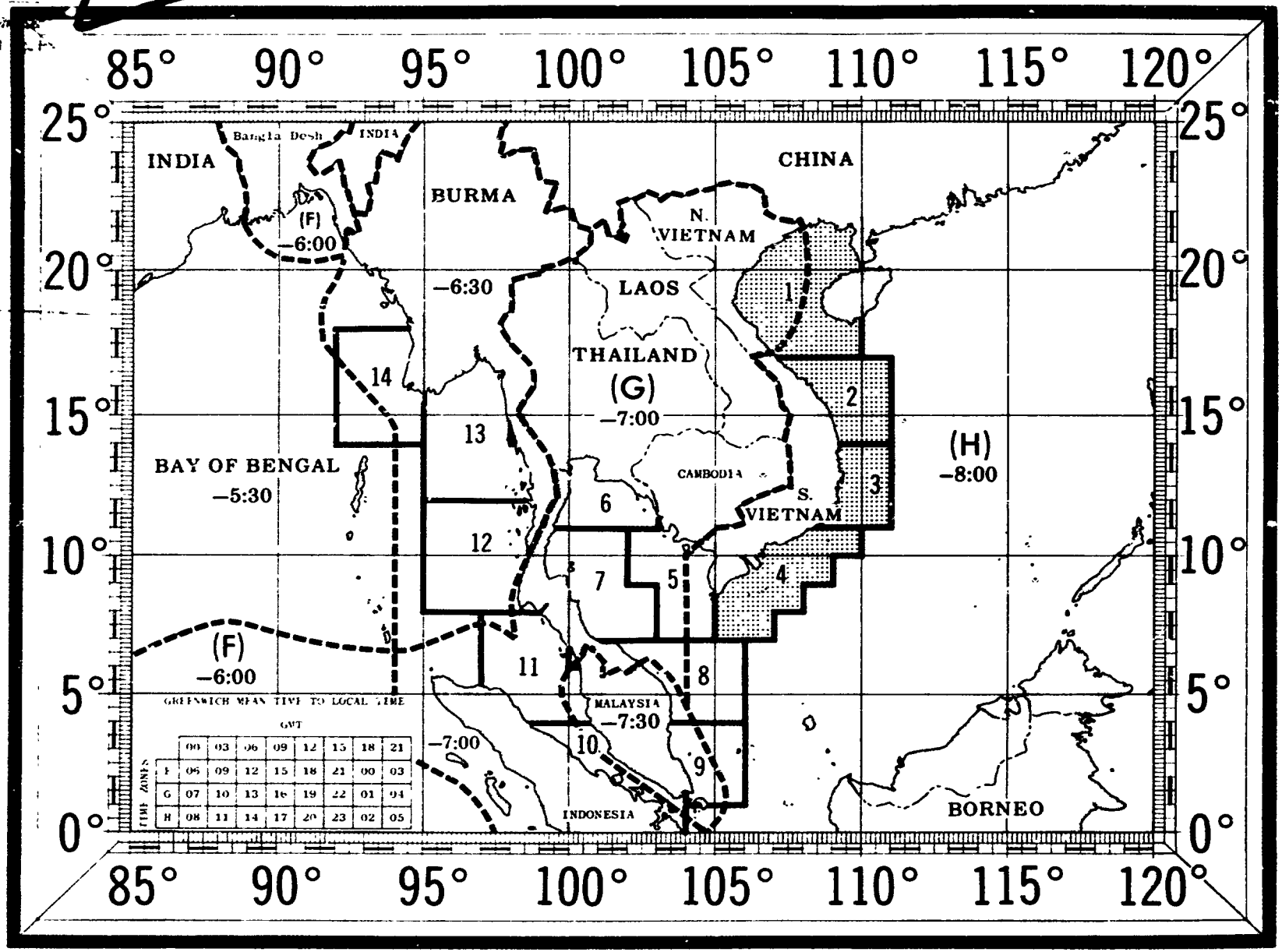
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NATIONAL TECHNICAL INFORMATION SERVICE

September 1972

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Southeast Asian Coastal SSMO Areas and Standard Time Zones.
Shaded areas are included in this Volume.
A list of the area names and their central locations appears on the inside back cover.

ABSTRACT FOR VOLUME 1

U.S. NAVAL WEATHER SERVICE COMMAND, Summary of Synoptic Meteorological Observations (SSMO) for Southeast Asian Coastal Marine Areas, Volume 1, Area 1-Tonkin Gulf, Area 2-Da Nang, Area 3-Nha Trang, and Area 4-Saigon.

Naval Weather Service Environmental Detachment
Federal Building, Asheville, N. C.

September 1972 632 pages

Descriptors: (Air-sea Interface, Climatology, Coastal Marine Summary, Maps and Tables). Percentage Frequency Occurrence of: Precipitation, Thunderstorms, Fog, Wind Speed, Wind Direction, Cloud Cover, Ceilings, Visibility, Relative Humidity, Air Temperature, Air-sea Temperature Difference, Sea Heights, Wave Heights, Wave Periods, Sea Level Pressure.

Identifiers: Southeast Asian Coastal Marine Areas, Tonkin Gulf, Da Nang, Nha Trang and Saigon.

The data contained in these tables were obtained from Tape Data Family 11 (TDF-11) Marine Surface Observations. TDF-11 was primarily funded by the Naval Weather Service Command and selected by NWSED Asheville as the most comprehensive collection of marine surface observations from which to develop a series of Coastal Marine Summaries.

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VOLUME 1
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PREPARED BY:
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE
NATIONAL CLIMATIC CENTER
Federal Building
Asheville, N.C. 28801

SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (MONTHLY AND ANNUAL)

The data contained in these tables were obtained from tape data Family 11 (TDF-11), Marine Surface observations. TDF-11 was primarily funded by the Naval Weather Service Command and selected by NWSED Asheville as the most comprehensive collection of marine surface observations from which to develop a series of coastal marine summaries. The source was punched cards of weather observations taken aboard vessels of varying registry. They were recorded on magnetic tape in a common format. Elements not in WMO code were converted to this code where possible. Where this was not possible, the original data were retained within the tape record as supplemental data. A very limited quality control was attempted as the punched cards were converted to taped records and, where possible, missing psychrometric data were computed.

Before the tables are prepared, extreme values of selected parameters are scrutinized so that obvious errors can be excluded. This method is necessarily subjective since the only available record of many observations is the punched card from which the tape records were prepared. Frequently there is no concrete evidence to prove or disprove the validity of questionable data.

Also, it should be noted that these data are based upon observations made by ships in passage. Such ships tend to avoid bad weather when possible, thus biasing our data toward good weather samples.

Because the number of observations may vary from one table to the other, no absolute relationship exists between the tables. As an example, air temperature counts for Tables 13 and 17 may not be identical since only observations containing both air temperature and relative humidity were counted in Table 13 and only those with both temperature and air-sea temperature difference were counted in Table 17. No requirement for simultaneous recording of all elements was made.

The primary period of record is that period (extending back in time from the most recent data) during which eighty percent of the total number of observations were recorded. The overall period is the earliest to the latest observed data used in compiling the tables. Tables 18 and 19 were tabulated from selected decks only and the overall period indicates the period of record of this data source. The primary period for these tables is not shown.

THE TABLES

Percentage frequencies are computed to hundredths and rounded to tenths. An asterisk (*) indicates percentage frequency > 0 and $< .05$. A value followed by a plus sign indicates greater than or equal to that value (8+ means 8 or greater). NH = low cloud amount (or middle cloud amount when low clouds are not present). The hours given in this publication are GMT.

The geographic position shown on the tables is the central position (centroid) of the observations within the area. This value may fall outside irregular areas.

Annual values are computed on the basis of the sum of the monthlies divided by the number of months.

Tables 1 through 19 appear in numerical order for each month, with the annual tables appearing after the tables for December. Tables 20 and 21 appear at the end of the entire series, after the annual summary for Table 19. The series of summaries appear in numerical order by area number.

Table 1 - Percentage Frequency of Weather Occurrence by Wind Direction (8 pts.).

Table 2 - Percentage Frequency of Weather Occurrence by Hour (GMT).

Table 3 - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction (8 pts.).

Table 3A - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction.

Table 4 - Percentage Frequency of Wind Speed by Hour (GMT). This table includes mean speed by hour.

Table 5 - Percentage Frequency of Total Cloud Amount (Oktas) by Wind Direction (8 pts.). This table includes mean cloud amount by wind direction.

Table 6 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH <5/8 by Wind Direction (8 pts.).

Table 7 - Cumulative Percentage Frequency of Occurrence of Ceiling Height (feet, NH > 4/8) and Visibility (Nautical Miles).

Table 7A - Percentage Frequency of Low Cloud Amount (or Middle Cloud Amount if Low Clouds are not present). and Percentage Frequency of Sky Obscured. Amounts are in Oktas.

Table 8 - Percentage Frequency of Wind Direction (8 pts.) vs. Occurrence or Non-Occurrence of Precipitation at Observation Time with Varying Values of Visibility (Nautical Miles).

Table 9 - Percentage Frequency of Wind Direction (8 pts.) vs. Wind Speed (kts.) with Varying Values of Visibility (Nautical Miles).

Table 10 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH <5/8 by Hour (GMT).

Table 11 - Percentage Frequency of Visibility (Nautical Miles) by Hour (GMT).

Table 12 - Cumulative Percentage Frequency of Ranges of Visibility (Nautical Miles) and Ceiling Height (feet, NH > 4/8) by Hour (GMT).

Table 13 - Percentage Frequency of Relative Humidity (%) by Air Temperature (° F.).

Table 14 - Percentage Frequency of Wind Direction (8 pts.) by Air Temperature (° F.).

Table 15 - Means, Extremes, and Percentiles of Air Temperature (° F.) by Hour (GMT). Extreme temperatures are the one maximum and one minimum value appearing in the marine data file. The Extremes may be unrepresentative due to sampling errors. Extrapolation from the percentile values usually gives a better estimate of expected extreme conditions.

Table 16 - Percentage Frequency of Relative Humidity (%) by Hour (GMT).

Table 17 - Percentage Frequency of Air Temperature (° F.) and the Occurrence of Fog vs. Air-Sea Temperature Difference (° F.).

Air-Sea Temperature Difference is:

Positive when the air is warmer than the sea surface; Negative when the air is cooler than the sea surface. In the table heading, the limits of the temperature ranges appear in a vertical arrangement along the top of the table.

Table 18 - Percentage Frequency of Surface Wind Speed (kts.) and Direction (8 pts.) vs. Sea Height (feet). Source deck 128 for which data are available from mid-1963 was used for these tables. This deck represents the latest and most complete homogeneous source of wave data available. Here, only sea waves generated by local winds in the vicinity of the observer are summarized. This table continues for 2-1/2 pages for each month and 2-1/2 pages for the annual summary.

Table 19 - Percentage Frequency of Wave Height (feet) vs. Wave Period (seconds). In this table when both sea and swell waves are present in an observation, the higher of the two is used. If both are the same height, the longer period is chosen. When only one of the wave groups is observed, either sea or swell, it is used in the summary. Swell waves are those generated by winds distant from the local area where the observation is taken.

Tables 1-19 appear together for each month and in the annual summary. The following two tables appear at the end of the entire series for each area.

Table 20 - Monthly and Annual Percentage Frequencies and Means of Sea Surface Temperature (° F.).

Table 21 - Monthly and Annual Sea Level Pressures (millibars). This table includes means by hour and for all hours, extreme values with the corresponding dates of occurrence and percentile values.

Note: In this volume, percentage frequencies at specified hours of the day refer to percentages of observations taken at those hours, rather than percentages of observations taken at all hours. Data at adjacent hours are summarized with data at synoptic hours, i.e., data from 02 and 04 GMT are combined with data from 03 GMT.

Contents

Area	Name	Page
1	Tonkin Gulf	1-158
2	Da Nang	159-316
3	Nha Trang	317-474
4	Saigon	475-632

Copies of this document are obtainable from the National Technical Information Service (NTIS), Springfield, Virginia 22151.

DIRECTION AND WEATHER CODES

CONVERSION OF WIND AND WAVE DIRECTION TO 8 POINTS

A reduced bias system was employed in converting wind and wave directions to 8 points. This method attaches weighting values to observations which overlap two different 8 point sectors and treats them as "decimal observation counts." These decimal quantities are rounded to whole numbers for presentation as "observational counts" in the tables. Figures 1-4 below show the 8 point system with other systems superimposed.

Note: Because of rounding, sub-total sums of "observation counts" may not equal grand totals.

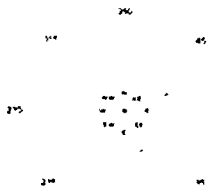


Fig 1 The 8 point direction system

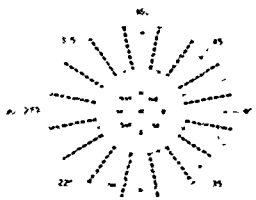


Fig 2. The 16 point direction system superimposed on the 8 point system

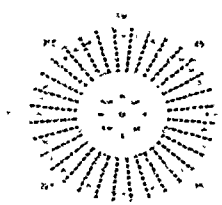


Fig 3 The 32 point direction system superimposed on the 8 point system

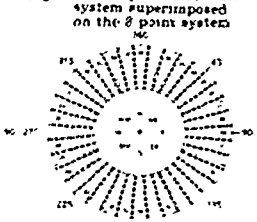


Fig 4 The 36 point direction system superimposed on the 8 point system.

VISIBILITY (VV)

CODE	INTERPRETATION (NAUTICAL MILES)
90-93	VV<1/2
94	1/2≤VV<1
95	1≤VV<2
96	2≤VV<5
97	5≤VV<10
98	10≤VV<25
99	≥25

NOTE: <means less than; >means greater than; ≤means less than or equal to; ≥means greater than or equal to.

PRESENT WEATHER (1960 WMO CODE 4677)

CODE	INTERPRETATION
58-59, 60-65, 91-94, (68-69,95,97 IF TEMP >40°F)	RAIN
80-82,(83-84 IF TEMP >40°F)	RAIN SHOWERS
50-55,58-59	DRIZZLE
56-57, 66-67	FREEZING PRECIPITATION
70-75,85-86, (68-69,83-84, 95,97 IF TEMP ≤40°F)	SNOW
76-79	OTHER FROZEN PRECIPITATION
87-90, 93-94, 96,99	HAIL

CODE	INTERPRETATION
13,17, 95-99	THUNDER LIGHTNING THUNDERSTORM
10-12, 40-49	FOG (WITHOUT PRECIPITATION)
04-05	SMOKE HAZE
06-09, 30-39	DUST BLOWING DUST BLOWING SNOW
00-03, 14-16, 18-29	NO SIGNIFICANT WEATHER AT OB TIME
00-49	NO PRECIPITATION AT OB TIME
50-99	PRECIPITATION AT OB TIME

NOTE: The following WMO codes were counted in two weather categories. 58-59 (rain and drizzle); 68-69 (rain and snow); 93-94 (rain and hail); 96 and 99 (hail and thunder/lightning/thunderstorm); 95 and 97 (snow and thunder/lightning/thunderstorm), or (rain and thunder/lightning/thunderstorm).

WAVE HEIGHT (from source decks 128 and 116)

RECORDED CODE (HALF METERS)	RANGE (METERS)	AS RECORDED IN TABULATION (FEET)
00	≤.25	<1
01	>.25 to .75	1-2
02	>.75 to 1.25	3-4
03	>1.25 to 1.75	5-6
04	>1.75 to 2.25	7
05	>2.25 to 2.75	8-9
06	>2.75 to 3.25	10-11
07	>3.25 to 3.75	12
08	>3.75 to 4.25	13-16
09	>4.25 to 4.75	
10	>4.75 to 5.25	17-19
11	>5.25 to 5.75	
12	>5.75 to 6.25	20-22
13	>6.25 to 6.75	
14	>6.75 to 7.25	23-25
15	>7.25 to 7.75	
16	>7.75 to 8.25	26-32
17	>8.25 to 8.75	
18	>8.75 to 9.25	
19	>9.25 to 9.75	
20	>9.75 to 10.25	33-40
21	>10.25 to 10.75	
22	>10.75 to 11.25	
23	>11.25 to 11.75	
24	>11.75 to 12.25	
25	>12.25 to 12.75	41-48
26	>12.75 to 13.25	
27	>13.25 to 13.75	
28	>13.75 to 14.25	
29	>14.25 to 14.75	
30	>14.75 to 15.25	49-60
31	>15.25 to 15.75	
32	>15.75 to 16.25	
33	>16.25 to 16.75	
34	>16.75 to 17.25	
35	>17.25 to 17.75	
36	>17.75 to 18.25	
37	>18.25 to 18.75	61-70
38	>18.75 to 19.25	
39	>19.25 to 19.75	
40	>19.75 to 20.25	
41	>20.25 to 20.75	
42	>20.75 to 21.25	
43	>21.25 to 21.75	71-86
44	>21.75 to 22.25	
45	>22.25 to 22.75	
46	>22.75 to 23.25	
47	>23.25 to 23.75	
48	>23.75 to 24.25	
49	>24.25 to 24.75	
50	>24.75 to 25.25	
51	>25.25 to 25.75	
52	>25.75 to 26.25	
53-99	>26.25 to 49.75	≥87

Indeterminate=INDET

JANUARY

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1891-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	PRECIPITATION TYPE RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG DUST	DUST SNOW	NO SIG WEA	TOTAL OBS
N	2.8	.5	1.3	.0	.0	.0	.0	4.5		*	.7	.5		*	94.4	
NE	1.8	.7	.8	.0	.0	.0	.0	3.3		*	.9	1.2		*	93.4	
E	.4	.2	.2	.0	.0	.0	.0	.8		*	.1	.3		*	13.9	
SE	.3	.2	.1	.0	.0	.0	.0	.4		*	.2	.5	.0		17.5	
S	.1	*	*	.0	.0	.0	.0	.1		*	.2	.2	.0		3.8	
SW	.1	.1	.0	.0	.0	.0	.0	.1		.0	.1	.1	.0		.8	
W	.1	*	.1	.0	.0	.0	.0	.2		.0	.1	.1	.0		1.3	
NW	.3	.1	.2	.0	.0	.0	.0	.6		.0	.1	.3	.0		4.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0	
CALM	*	*	.0	.0	.0	.0	.0	*		.0	*	.2	.0		.8	
TOT OBS	396	122	192	0	0	0	0		705	8	176	240	3		5868	6999
TOT PCT	5.7	1.7	2.7	.0	.0	.0	.0	10.1		.1	2.5	3.4	*		83.8	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG DUST	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	6.2	2.5	2.3	.0	.0	.0	.0	10.9		.0	2.8	3.4		.1	82.8	
06&09	5.6	1.9	2.2	.0	.0	.0	.0	9.7		.0	2.1	4.4		.1	83.7	
12&15	5.0	1.3	2.9	.0	.0	.0	.0	9.2		.3	2.8	3.5		.0	84.3	
18&21	5.7	1.3	3.5	.0	.0	.0	.0	10.5		.2	2.4	2.4		.0	84.5	
TOT	396	122	192	0	0	0	0		705	8	176	240		3	5871	7002
PCT	5.7	1.7	2.7	.0	.0	.0	.0	10.1		.1	2.5	3.4		*	83.8	

JANUARY

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1891-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.4	5.3	12.0	5.1	.3	.0		23.1	16.0	20.4	19.3	22.2	27.9	22.7	25.7	25.0	24.3
NE	.4	8.4	15.2	7.2	.5	.0		29.7	16.7	31.2	34.4	32.3	27.6	30.6	26.5	25.2	29.8
E	.3	4.7	8.7	1.4	*	.0		15.2	13.4	15.4	15.7	14.2	15.7	16.4	15.1	15.2	13.2
SE	.3	4.6	12.5	1.1	.0	.0		18.5	13.8	16.7	20.2	14.3	20.2	18.9	21.8	19.4	21.1
S	.3	2.1	1.9	.1	.0	.0		4.3	10.2	5.4	3.3	5.9	1.3	3.2	3.8	5.0	4.2
SW	.2	.7	.1	*	.0	.0		1.1	6.6	1.9	.8	1.4	.7	.9	.6	1.0	.5
W	.3	1.0	.4	*	.0	.0		1.7	7.8	1.7	2.3	2.2	.9	1.3	.9	2.5	1.1
NW	.2	2.6	2.2	.2	*	.0		5.3	10.8	8.1	3.0	6.7	4.6	4.7	4.9	5.6	4.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.1							1.1	.0	1.3	1.1	.8	1.0	1.2	.7	1.2	1.4
TOT OBS	257	1943	3764	1058	61	0	7083		14.5	1198	566	1178	582	1209	568	1206	576
TOT PCT	3.6	27.4	53.1	14.9	.9	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.8	11.1	8.7	1.6	.0		23.1	16.0	20.0	24.1	23.6	24.8
NE	2.0	13.3	12.0	2.4	.0		29.7	16.7	32.2	30.7	28.3	25.7
E	1.5	9.6	3.9	.2	.0		15.2	13.4	15.5	14.7	16.0	14.6
SE	1.3	11.8	5.3	.1	.0		18.5	13.8	17.8	16.3	19.8	19.9
S	1.1	2.8	.4	.0	.0		4.3	10.2	4.8	4.4	3.4	4.8
SW	.6	.5	*	.0	.0		1.1	6.6	1.5	1.2	.8	.8
W	.8	.8	.1	.0	.0		1.7	7.8	1.9	1.8	1.2	2.0
NW	1.0	3.6	.6	*	.0		5.3	10.8	5.1	6.0	4.8	5.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.1						1.1	.0	1.2	.9	1.0	1.2
TOT OBS	802	3784	2193	304	0	7083		14.5	1764	1760	1777	1782
TOT PCT	11.3	53.4	31.0	4.3	.0		100.0		100.0	100.0	100.0	100.0

JANUARY

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1891-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.2	2.1	24.3	54.6	16.7	1.1	.0	15.1	100.0	1764
06&09	.9	2.7	27.6	53.4	14.7	.9	.0	14.4	100.0	1760
12&15	1.0	2.8	30.3	51.0	13.9	1.0	.0	14.1	100.0	1797
18&21	1.2	2.6	27.6	53.5	14.5	.5	.0	14.3	100.0	1782
TOT	76	181	1947	3764	1058	61	0	14.5		7083
PCT	1.1	2.6	27.4	53.1	14.9	.9	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.5	.9	4.2	16.8		7.1
NE	3.2	1.7	6.5	17.5		6.6
E	3.5	1.6	5.4	4.4		5.3
SE	6.9	3.1	6.9	2.1		4.1
S	1.3	.8	1.5	.9		4.6
SW	.2	.1	.4	.5		5.9
W	.3	.1	.6	.8		6.1
NW	.5	.3	1.2	3.4		6.7
VAR	.0	.0	.0	.0		.0
CALM	.4	.2	.2	.2		3.9
TOT OBS	1193	583	1802	3124	6702	5.9
TOT PCT	17.8	8.7	26.9	46.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM) 4/8) AND OCCURRENCE OF MM (5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM (5/8 ANY HGT	TOTAL OBS
N	.1	.1	1.5	4.6	8.1	3.9	.7	.3	.3	.2	3.5	
NE	*	.1	1.4	3.3	11.3	4.6	.6	.2	.3	.4	6.5	
E	*	.0	.1	.5	4.2	2.5	.3	.2	.3	.1	8.7	
SE	*	.0	.2	.6	3.4	2.2	.1	.1	.3	.1	12.2	
S	*	*	.1	.2	.9	.6	.1	.0	*	*	2.4	
SW	*	.0	*	.1	.4	.2	*	*	.0	.0	.3	
W	.0	.0	.1	.1	.8	.3	*	*	*	.0	.4	
NW	*	*	.2	.4	2.0	1.1	.2	.3	*	*	1.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	*	0	*	.1	.2	.1	.0	.0	.0	.0	.6	
TOT OBS	15	16	246	662	2098	1043	133	79	85	60	2265	6702
TOT PCT	.2	.2	3.7	9.9	31.3	15.6	2.0	1.2	1.3	.9	33.8	100.0

JANUARY

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1891-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2
= OR >5000	2.1	3.3	3.3	3.3	3.3	3.3	3.3	3.3
= OR >3500	3.5	5.2	5.3	5.3	5.3	5.3	5.3	5.3
= OR >2000	13.4	20.5	20.8	20.9	20.9	20.9	20.9	20.9
= OR >1000	29.2	50.3	52.1	52.1	52.2	52.2	52.2	52.2
= OR >600	32.2	58.6	61.7	62.0	62.1	62.1	62.1	62.1
= OR >300	32.8	60.8	65.0	65.6	65.7	65.7	65.8	65.8
= OR >150	32.8	60.9	65.2	65.8	65.9	66.0	66.0	66.0
= OR > 0	32.8	60.9	65.3	65.9	66.1	66.1	66.2	66.2
TOTAL	2199	4084	4376	4418	4428	4432	4438	4439

TOTAL NUMBER OF OBS: 6704 PCT FREQ NH <5/8: 33.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.3	5.2	12.6	5.9	3.7	5.0	10.5	7.9	42.6	.4	8736

JANUARY

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1891-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	*	.0	.0	.0	.0	*	.0	.0	*	
	NO PCP	.1	*	*	.1	.1	*	.0	*	.0	*	.3	
	TOT %	.1	*	*	.1	.1	*	.0	*	.0	*	.3	
1/2<1	PCP	.1	*	.0	.0	.0	.0	.0	*	.0	.0	.1	
	NO PCP	*	*	.0	.0	*	*	*	*	.0	*	.2	
	TOT %	.1	.1	.0	.0	*	*	*	*	.0	*	.3	
1<2	PCP	.3	.2	.0	*	.0	0	.0	.1	.0	.0	.6	
	NO PCP	*	*	.0	*	*	*	*	.0	.0	.0	.1	
	TOT %	.3	.2	.0	*	*	*	*	.1	.0	.0	.7	
2<5	PCP	1.4	1.0	.1	.1	*	*	.1	.1	.0	.0	2.8	
	NO PCP	.5	.6	.1	.2	.1	*	.1	.1	.0	*	1.7	
	TOT %	1.9	1.7	.2	.3	.1	*	.1	.2	.0	*	4.4	
5<10	PCP	2.5	1.8	.6	.2	.1	.1	.1	.3	.0	*	5.6	
	NO PCP	7.5	10.3	4.4	3.0	.9	.4	.5	1.7	.0	.4	29.1	
	TOT %	10.0	12.0	5.0	3.2	1.0	.5	.6	2.0	.0	.5	34.7	
10+	PCP	.3	.3	.1	.1	*	.0	*	.1	.0	.0	.9	
	NO PCP	10.5	15.3	9.8	15.0	3.2	.5	1.0	2.8	.0	.5	58.6	
	TOT %	10.8	15.5	9.9	15.1	3.2	.5	1.0	2.9	.0	.5	59.5	
	TOT OBS												6999
	TOT PCT	23.2	29.5	15.1	18.6	4.4	1.1	1.8	5.3	.0	1.1	100.0	

JANUARY

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1891-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PC.	TOTAL OBS
	0-3	*	*	.0	*	*	.0	.0	.0	.0	*	.1	
<1/2	4-10	*	*	*	.1	.1	*	.0	*	.0		.2	
	11-21	.0	*	*	.0	.0	.0	.0	.0	.0		*	
	22+	*	0	.0	.0	.0	.0	.0	.0	.0		*	
	TOT %	.1	*	*	.1	.1	*	.0	*	.0	*	.3	
	0-3	.0	.0	.0	.0	.0	.0	*	.0	.0	*	*	
1/2<1	4-10	*	.0	.0	.0	*	*	.0	*	.0		.1	
	11-21	*	*	.0	.0	.0	.0	.0	*	.0		.1	
	22+	*	*	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.1	.1	.0	.0	*	*	*	*	.0	*	.3	
	0-3	*	.0	.0	.0	*	*	*	.0	.0	.0	*	
1<2	4-10	.1	.1	.0	*	*	*	.0	.0	.0		.2	
	11-21	.1	.1	.0	.0	.0	.0	.0	.1	.0		.3	
	22+	.1	.1	.0	.0	.0	.0	.0	*	.0		.3	
	TOT %	.3	.3	.0	*	*	*	*	.1	.0	.0	.8	
	0-3	*	*	*	*	*	*	*	*	.0	*	.2	
2<5	4-10	.3	.3	.1	.2	*	*	.1	.1	.0		1.1	
	11-21	.8	.9	.1	.1	.1	*	*	.1	.0		2.1	
	22+	.7	.6	*	*	*	.0	.0	*	.0		1.4	
	TOT %	1.9	1.9	.3	.3	.1	*	.1	.2	.0	*	4.9	
	0-3	.1	.1	.1	.1	.1	.1	.1	.1	.0	.5	1.3	
5<10	4-10	2.2	2.3	1.4	1.0	.6	.4	.4	.9	.0		9.2	
	11-21	5.0	6.1	2.7	1.8	.3	*	.1	.9	.0		16.9	
	22+	2.7	3.4	.7	.3	*	*	*	.1	.0		7.2	
	TOT %	10.0	11.9	5.0	3.1	1.0	.5	.6	2.0	.0	.5	34.6	
	0-3	.3	.3	.2	.1	.2	.2	.2	.1	.0	.5	2.0	
10+	4-10	2.7	3.6	3.1	3.4	1.4	.3	.5	1.5	.0		16.5	
	11-21	6.1	8.1	5.9	10.6	1.6	.1	.3	1.1	.0		33.7	
	22+	1.7	3.5	.6	.8	*	.0	.0	.1	.0		6.8	
	TOT %	10.7	15.4	9.9	15.0	3.1	.5	1.0	2.9	.0	.5	59.1	
	TOT OBS												7068
	TOT PCT	23.2	29.7	15.2	18.5	4.3	1.1	1.7	5.3	.0	1.1	100.0	

JANUARY

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1891-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.2	.4	5.0	10.9	35.4	15.5	2.1	1.1	1.3	1.0	72.9	27.1	1704
06&09	.2	.2	3.6	9.9	32.4	17.0	1.9	1.1	1.4	.8	68.6	31.4	1660
12&15	.2	.2	3.3	9.1	27.9	13.3	2.0	1.5	1.3	1.2	60.0	40.0	1654
18&21	.2	.2	2.6	9.6	29.3	16.3	2.0	1.1	1.0	.5	63.0	37.0	1671
TOT	15	16	246	664	2098	1043	134	79	85	60	4440	2269	6709
PCT	.2	.2	3.7	9.9	31.3	15.5	2.0	1.2	1.3	.9	66.2	33.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.6	.5	.8	5.7	31.2	61.2	1709
06&09	.2	.2	1.0	4.3	31.7	62.7	1684
12&15	.2	.1	.7	3.9	37.2	57.8	1660
18&21	.2	.2	.4	4.7	37.5	57.0	1675
TOT	21	16	49	313	2312	4017	6728
PCT	.3	.2	.7	4.7	34.4	59.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (<M) AND/OR CEILING HGT (FEET.NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.6	6.4	20.0	53.6	26.4	1709
06&09	.4	4.3	16.4	52.7	30.9	1684
12&15	.7	4.2	15.0	45.5	39.5	1660
18&21	.6	3.5	14.9	48.6	36.5	1675
TOT	39	311	1118	3373	2237	6728
PCT	.6	4.6	16.6	50.1	33.2	100.0

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PERIOD: (PRIMARY) 1967-1971
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AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.1	*	.0	.0	6	.1
80/84	.0	.0	.0	*	.2	.7	.4	*	86	1.3
75/79	.0	*	*	.1	.6	4.7	7.4	2.8	1044	15.6
70/74	.0	.0	*	.5	2.8	11.0	15.9	7.9	2555	38.2
65/69	.0	*	.1	1.1	3.5	5.4	9.7	8.9	1912	28.6
60/64	.0	.0	.2	.8	3.1	2.8	3.4	3.4	915	13.7
55/59	.0	.0	*	.3	.5	.6	.5	.6	172	2.6
50/54	.0	.0	.0	.0	.0	*	*	.0	3	*
TOTAL	0	2	22	185	721	1683	2498	1582	6693	100.0
PCT	.0	*	.3	2.8	10.8	25.1	37.3	23.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	*	*	*	*	.0	.0	.0	.0	.0
	*	*	.4	.6	.2	*	*	*	.0	.0
	.5	1.3	3.9	7.8	1.3	.2	.3	.3	.0	.1
	5.2	9.3	7.8	9.6	2.5	.8	.7	1.7	.0	.6
	11.0	10.1	2.2	1.0	.5	.1	.6	2.7	.0	.3
	6.1	6.4	.4	*	.0	.0	.1	.6	.0	*
	.8	1.5	*	.0	*	*	*	.1	.0	.0
	*	*	.0	.0	.0	.0	.0	.0	.0	.0
	23.8	28.7	14.8	18.9	4.4	1.1	1.8	5.4	.0	1.0

TABLE 15

MEANS.EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	82	79	77	70	60	57	55	69.5	1762
06&09	88	82	79	71	61	56	54	70.4	1758
12&15	81	78	77	70	61	57	55	69.5	1776
18&21	82	78	76	70	61	57	54	69.2	1777
TOT	88	80	77	70	61	57	54	69.6	7073

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	3.5	10.2	24.1	36.1	26.2	82	1678
06&09	.0	4.3	13.2	31.7	34.1	16.8	79	1671
12&15	.0	2.2	10.6	24.3	39.4	23.5	82	1670
18&21	.0	2.5	9.1	20.5	39.7	28.2	83	1676
TOT	0	209	722	1683	2498	1583	81	6695

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PERIOD: (PRIMARY) 1967-1971
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AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.0	.0	.1	*	*	.0	8	*	.1
9/10	.0	.0	.0	.0	*	.1	.1	.1	*	17	*	.2
7/8	.0	.0	*	.0	.1	.2	.1	*	.1	36	*	.5
6	.0	.0	.0	*	.2	.2	.2	*	.0	46	.0	.7
5	.0	.0	.0	*	.2	.5	.3	.1	*	76	*	1.1
4	.0	.0	.0	.2	.4	.7	.4	.1	.0	126	.2	1.7
3	.0	.0	.0	.1	.8	.9	.7	.1	.0	183	.1	2.6
2	.0	.0	.1	.5	1.3	1.2	.9	.1	.0	287	.1	4.0
1	.0	.0	.1	.6	1.7	2.5	.6	.1	.0	393	.3	5.4
0	.0	.0	.3	.8	2.4	2.9	1.0	.0	.0	523	.2	7.3
-1	.0	.0	.3	1.0	2.8	3.3	1.3	.0	.0	602	.2	8.4
-2	.0	.0	.4	1.4	3.5	2.9	.6	.0	.0	616	.1	8.7
-3	.0	*	.2	1.4	3.9	2.4	.7	.0	.0	597	.1	8.5
-4	.0	.1	.6	1.6	3.6	2.1	*	.0	.0	554	.1	7.8
-5	.0	.1	.6	1.5	3.5	1.8	*	.0	.0	531	.1	7.5
-6	*	.1	.8	2.0	2.6	.7	.0	.0	.0	433	.1	6.1
-7/-8	*	.5	2.3	4.1	2.9	.4	.0	.0	.0	709	.2	10.0
-9/-10	.1	.8	2.0	3.1	1.3	.0	.0	.0	.0	502	.2	7.0
-11/-13	.2	1.1	2.8	2.1	.3	.0	.0	.0	.0	460	.1	6.5
-14/-16	.1	.8	1.3	.5	.0	.0	.0	.0	.0	184	*	2.6
-17/-19	*	.4	.4	.0	.0	.0	.0	.0	.0	58	.1	.7
-20/-22	*	.1	*	.0	.0	.0	.0	.0	.0	7	*	.1
TOTAL										6948		
PCT	.5	4.0	12.3	21.2	31.4	22.9	7.1	.6	.1	100.0	2.5	97.5

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

AREA 0001 TONKIN GULF
18.3N 107.6E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.8	*	.0	.0	.0	1.0
1-2	.2	3.6	3.7	.0	.0	.0	7.5
3-4	*	1.0	5.2	1.4	.0	.0	7.6
5-6	.0	.2	1.8	.9	.0	.0	2.8
7	.0	.1	1.1	1.4	*	.0	2.6
8-9	.0	.0	.3	.7	*	.0	1.0
10-11	.0	*	.4	.5	.1	.0	1.0
12	.0	.0	.2	.3	.1	.0	.5
13-16	.0	*	*	.1	.1	.0	.2
17-19	.0	.0	.0	*	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	5.6	12.6	5.2	.3	.0	24.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.8	.0	.0	.0	.0	.9
1-2	.2	3.5	4.7	.0	.0	.0	8.8
3-4	*	1.1	7.2	2.1	.0	.0	10.4
5-6	.0	.2	2.4	1.6	*	.0	4.3
7	.0	.1	1.2	1.9	.1	.0	3.4
8-9	.0	.0	.4	.8	.1	.0	1.3
10-11	.0	*	.2	.7	.2	.0	1.1
12	.0	.0	.1	.5	.2	.0	.7
13-16	.0	*	*	.1	.1	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	*	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	4.8	8.5	1.3	*	.0	14.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.8	.1	.0	.0	.0	1.0
1-2	.1	2.6	3.4	.0	.0	.0	6.1
3-4	*	.8	3.6	.7	.0	.0	5.1
5-6	.0	.1	.7	.2	.0	.0	1.0
7	.0	*	.5	.2	*	.0	.7
8-9	.0	.0	.2	*	.0	.0	.2
10-11	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	*	*	.0	.0	.1
13-16	.0	*	.0	*	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	4.3	8.5	1.3	*	.0	14.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.8	.1	.0	.0	.0	.9
1-2	.1	3.2	5.8	.0	.0	.0	9.0
3-4	.0	.7	5.8	.6	.0	.0	7.0
5-6	.0	.1	.5	.1	.0	.0	.7
7	.0	.0	.2	.3	.0	.0	.5
8-9	.0	*	*	*	.0	.0	.1
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	4.7	12.4	1.1	.0	.0	18.3

PERIOD: (OVER-ALL) 1963-1975

JANUARY

TABLE 18

AREA 0001 10N%IN GULF
18.3N 107.8E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.0	.0	.6
1-2	.1	1.3	1.1	.0	.0	.0	2.5
3-4	.0	.2	.5	*	.0	.0	.7
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	.0	*	.0	.0	*
8-9	.0	*	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	*	.0	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.9	1.7	*	.0	.0	3.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.3	*	.0	.0	.0	.4
1-2	.1	.4	*	.0	.0	.0	.5
3-4	*	*	.0	*	.0	.0	*
5-6	.0	*	.0	.0	.0	.0	*
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.8	*	*	.0	.0	1.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.3	.9	.0	.0	.0	.5
1-2	.1	.5	.2	.0	.0	.0	.8
3-4	*	.1	.1	*	.0	.0	.2
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	.9	.3	*	.0	.0	1.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	*	.0	.0	.0	.8
1-2	.1	1.4	.9	.0	.0	.0	2.5
3-4	*	.3	.8	.1	.0	.0	1.2
5-6	.0	.0	.1	*	.0	.0	.1
7	.0	.0	.1	*	.0	.0	.1
8-9	.0	.0	*	*	*	.0	*
10-11	.0	.0	.0	*	.0	.0	.1
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.4	2.0	.2	*	.0	4.8

JANUARY

PERIOD: (OVER-ALL) 1963-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.8	4.8	.2	.0	.0	.0	6.8	
1-2	1.1	16.9	19.8	.0	.0	.0	37.7	
3-4	.1	4.2	23.2	4.9	.0	.0	32.3	
5-6	.0	.5	5.5	2.9	*	.0	9.0	
7	.0	.3	3.1	3.8	.1	.0	7.3	
8-9	.0	*	1.0	1.5	.2	.0	2.7	
10-11	.0	*	.6	1.4	.3	.0	2.4	
12	.0	.0	.3	.8	.2	.0	1.3	
13-16	.0	*	.1	.3	.1	.0	.4	
17-19	.0	.0	*	*	.0	.0	*	
20-22	.0	.0	.0	.0	*	.0	*	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								5156
TOT PCT	3.0	26.7	53.7	15.6	1.0	.0	100.0	

PERIOD: (OVER-ALL) 1950-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.8	23.1	26.5	6.7	4.9	1.1	.4	.3	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	3605	3
6-7	.0	.8	4.4	4.2	3.5	1.3	1.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	869	6
8-9	*	.2	.8	.7	2.3	1.4	1.3	.6	.2	*	*	.0	.0	.0	.0	.0	.0	.0	.0	422	8
10-11	.0	.5	.2	.2	.3	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	*	.0	157	8
12-13	.0	0	.1	.1	*	.1	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	60	10
>13	0	.0	.0	.1	*	.0	.0	.1	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	20	12
INDET	1.1	2.1	2.6	.7	.5	.2	.2	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	414	3
TOTAL	165	1483	1921	700	641	266	201	109	54	4	2	0	0	0	0	0	0	0	0	5547	4
PCT	3.0	26.7	34.6	12.6	11.6	4.8	3.6	2.0	1.0	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1885-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	3.3	.4	3.6	.0	.0	.0	.0	7.3		.0	1.2	1.4	.0	17.3		
NE	1.8	.3	2.0	.0	.0	.0	.0	4.1		*	1.4	1.4	.0	17.7		
E	.2	.1	.2	.0	.0	.0	.0	.4		*	.8	1.1	.0	11.6		
SE	.2	.1	.1	.0	.0	.0	.0	.3		*	.5	3.3	.0	17.4		
S	.1	*	.1	.0	.0	.0	.0	.1		.0	.2	.7	.0	2.2		
SW	.0	*	.1	.0	.0	.0	.0	.1		.0	.1	*	.0	.7		
W	*	.0	.1	.0	.0	.0	.0	.1		.0	.2	.2	.0	1.1		
NW	.4	.1	.6	.0	.0	.0	.0	1.2		.0	.4	.2	.0	4.0		
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0		
CALM	*	*	*	.0	.0	.0	.0	*		.0	.2	*	.0	.5		
TOT OBS	402	71	456	0	0	0	0		926	3	368	572	0	4957		6826
TOT PCT	5.9	1.0	6.7	.0	.0	.0	.0	13.6		*	5.4	8.4	.0	72.6		

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	6.5	1.0	6.9	.0	.0	.0	.0	14.4		.0	6.2	8.1	.0	71.4		
06&09	4.7	.9	6.1	.0	.0	0	.0	11.6		.0	6.1	11.9	.0	70.4		
12&15	5.4	1.1	6.1	.0	.0	.0	.0	12.5		.1	5.1	8.0	.0	74.3		
18&21	6.9	1.2	7.7	.0	.0	.0	.0	15.7		.1	4.2	5.6	.0	74.5		
TOT	402	71	456	0	0	0	0		926	3	368	572	0	4964		6834
PCT	5.9	1.0	6.7	.0	.0	.0	.0	12.5		*	5.4	8.4	.0	72.6		

FEBRUARY

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1885-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.4	6.1	14.6	5.8	.2	.0		27.0	15.9	25.6	25.1	27.4	34.4	27.9	26.7	25.4	25.8
NE	.6	7.1	13.5	4.2	.1	.0		25.4	14.7	24.5	24.8	25.4	21.9	27.7	25.4	25.6	22.1
E	.4	6.2	7.2	.3	*	.0		14.0	11.5	14.4	17.2	13.4	13.4	15.0	11.3	13.7	13.3
SE	.4	5.2	14.0	1.8	.0	.0		21.3	14.1	19.6	23.0	18.7	20.5	19.5	28.3	20.8	27.2
S	.2	1.6	1.3	*	.0	.0		3.2	9.9	3.1	3.0	5.6	2.4	2.4	2.1	4.2	4.1
SW	.2	.7	.1	.0	.0	.0		1.0	6.5	.9	1.3	1.1	.5	1.2	1.6	1.2	.2
W	.2	1.1	.4	.0	.0	.0		1.6	8.0	2.5	1.3	2.6	.9	1.1	.4	1.9	.7
NW	.3	2.7	2.3	.4	*	.0		5.6	11.3	6.1	4.2	7.1	5.5	4.7	4.0	6.4	5.5
VAR.	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8							.8	.0	1.2	.2	.8	.5	.5	.9	.8	1.2
TOT OBS	235	2150	3740	875	21	0	7021		13.8	1182	563	1187	572	1201	546	1197	573
TOT PCT	3.3	30.6	53.3	12.5	.3	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.2	12.8	10.6	1.5	*		27.0	15.9	25.5	29.7	27.6	25.5
NE	2.5	13.3	8.8	.8	*		25.4	14.7	25.9	24.3	27.0	24.5
E	2.2	9.7	2.1	.1	.0		14.0	11.5	15.3	13.4	13.9	13.6
SE	1.7	12.7	6.8	.1	.0		21.3	14.1	20.7	19.3	22.3	22.8
S	.9	1.9	.4	.0	.0		3.2	9.9	3.1	3.2	2.3	4.2
SW	.5	.4	*	.0	.0		1.0	6.5	1.0	.9	1.1	.9
W	.7	.8	.1	.0	.0		1.6	8.0	2.1	2.0	.9	1.5
NW	1.4	3.4	.9	.1	*		5.6	11.3	5.5	6.5	4.5	6.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.8						.8	.0	.9	.7	.6	1.0
TOT OBS	894	3867	2084	173	3	7021		13.8	1745	1759	1747	1770
TOT PCT	12.7	55.1	29.7	2.5	*		100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1885-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

	WIND SPEED (KNOTS)									
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.9	3.2	28.6	54.8	12.4	.2	.0	13.8	100.0	1745
06&09	.7	2.2	30.8	53.2	12.7	.3	.0	13.9	100.0	1759
12&15	.6	2.3	31.9	52.3	12.7	.2	.0	13.8	100.0	1747
18&21	1.0	2.5	31.1	52.8	12.1	.5	.0	13.8	100.0	1770
TOT	56	179	2150	3740	875	21	0	13.8		7021
PCT	.8	2.5	30.6	53.3	12.5	.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.9	.6	2.8	23.5		7.5
NE	1.2	.6	2.9	20.1		7.3
E	3.0	1.8	4.1	4.5		5.3
SE	8.5	2.5	3.4	4.2		4.1
S	.8	.3	.8	1.1		5.0
SW	.1	*	.3	.5		6.3
W	.2	.1	.3	1.0		6.7
NW	.3	.2	1.0	4.3		7.2
VAR	.0	.0	.0	.0		.0
CALM	.1	*	.2	.4		6.7
TOT OBS	984	414	1237	3897	6532	5.3
TOT PCT	15.1	6.3	18.9	59.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,MH >4/8) AND OCCURRENCE OF MH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MH <5/8 ANY HGT	TOTAL OBS
.1	.2	3.0	6.3	12.0	3.9	.2	.1	.1	.1	1.9	
.1	.1	2.2	5.5	10.8	3.3	.2	.1	.1	.1	2.4	
.1	*	.2	.8	3.7	2.1	.3	.1	.3	.1	5.7	
.1	.0	.2	1.3	4.6	2.1	.2	.1	.1	.1	13.0	
*	*	.1	.3	.8	.4	.1	*	*	*	1.3	
*	.0	*	.1	.3	.2	*	.0	.0	.0	.2	
*	*	.1	.2	.6	.4	*	.0	*	.0	.3	
*	*	.4	1.0	2.5	1.0	*	*	.0	*	.6	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.1	.3	.1	.0	.0	*	.0	.1	
27	22	406	1023	2337	885	70	25	43	22	1672	6532
.4	.3	6.2	15.7	35.8	13.5	1.1	.4	.7	.3	25.6	100.0

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PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1885-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = 8R >10	= 8R >5	= 8R >2	= 8R >1	= 8R >1/2	= 8R >1/4	= 8R >50YD	= 8R >0
= 8R >6500	.7	.9	1.0	1.0	1.0	1.0	1.0	1.0
= 8R >5000	.9	1.3	1.4	1.4	1.4	1.4	1.4	1.4
= 8R >3500	1.5	2.3	2.4	2.4	2.4	2.4	2.4	2.4
= 8R >2000	9.1	15.3	15.8	15.9	16.0	16.0	16.0	16.0
= 8R >1000	22.0	49.2	51.4	51.6	51.7	51.8	51.8	51.8
= 8R >600	25.1	61.5	66.6	67.2	67.4	67.4	67.4	67.4
= 8R >300	25.7	64.6	72.1	73.2	73.5	73.6	73.6	73.7
= 8R >150	25.7	64.7	72.3	73.5	73.8	73.9	74.0	74.0
= 8R > 0	25.7	64.7	72.4	73.6	74.1	74.2	74.4	74.4
TOTAL	1681	4229	4729	4808	4840	4848	4859	4861

TOTAL NUMBER OF OBS: 6533 PCT FREQ NH <5/8: 25.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.7	3.2	8.8	4.0	2.7	4.1	8.1	5.6	55.5	1.3	6632

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PERIOD: (PRIMARY) 1967-1971
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AREA 0001 TONKIN GULF
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TABLE B

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	*	.0	.0	.0	*	.0	.0	*	.0	*	*	
<1/2	NO PCP	2	.3	.2	.1	*	*	.1	*	.0	.1	1.1	
	TOT %	.2	.3	.2	.1	*	*	.1	.1	.0	.1	1.1	
	PCP	.1	*	*	.0	.0	.0	.0	*	.0	.0	.2	
1/2<1	NO PCP	.1	.1	.1	.1	*	*	*	.1	.0	*	.5	
	TOT %	.2	.1	.1	.1	*	*	*	.1	.0	*	.7	
	PCP	.5	.2	*	*	*	.0	*	.1	.0	.0	.9	
1<2	NO PCP	.2	.1	.1	*	*	*	*	.1	.0	*	.6	
	TOT %	.7	.3	.1	.1	*	*	*	.2	.0	*	1.5	
	PCP	2.4	1.5	.1	*	.0	*	.1	.4	.0	*	4.6	
2<5	NO PCP	.9	1.3	.3	.4	.1	.1	.1	.2	.0	*	3.4	
	TOT %	3.2	2.8	.4	.5	.1	.1	.2	.6	.0	.1	8.0	
	PCP	3.7	2.0	.3	.2	.1	.1	*	.6	.0	.0	6.9	
5<10	NO PCP	11.0	11.0	4.6	7.9	1.3	.3	.5	2.1	.0	.2	39.0	
	TOT %	14.7	13.0	4.8	8.0	1.4	.4	.6	2.7	.0	.2	45.9	
	PCP	.5	.2	*	*	*	.0	*	.1	.0	.0	.9	
10+	NO PCP	7.5	8.3	8.2	12.7	1.5	.4	.7	2.2	.0	.3	41.9	
	TOT %	8.0	8.5	8.3	12.7	1.6	.4	.7	2.2	.0	.3	42.8	
	TOT OBS												6824
	TOT PCT	27.1	25.1	13.9	21.5	3.2	1.0	1.6	5.8	.0	.8	100.0	

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PERIOD: (PRIMARY) 1967-1971
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AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	*	.1	.1	*	.0	.0	*	*	.0	.1	.4	
<1/2	4-10	.2	.2	.1	.1	*	*	*	*	.0		.7	
	11-21	*	*	*	*	*	.0	.0	*	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.3	.2	.1	*	*	.1	.1	.0	.1	1.2	
	0-3	.0	.0	*	*	.0	*	*	.0	.0	*	.1	
1/2<1	4-10	.1	*	.1	.1	*	.0	.0	.1	.0		.4	
	11-21	.1	.1	*	.0	.0	.0	.0	*	.0		.1	
	22+	.1	*	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.2	.1	.1	.1	*	*	*	.1	.0	*	.8	
	0-3	.0	*	*	*	*	.0	.0	.0	.0	*	.1	
1<2	4-10	.1	.1	.1	.1	*	*	*	.1	.0		.5	
	11-21	.3	.2	*	*	.0	.0	.0	.1	.0		.7	
	22+	3	.1	.0	.0	.0	.0	.0	*	.0		3	
	TOT %	.7	.4	.1	.1	*	*	*	.2	.0	*	1.6	
	0-3	.1	*	.1	*	*	*	.1	*	.0	.1	.4	
2<5	4-10	.5	8	.3	.3	.1	.1	.1	.2	.0		2.3	
	11-21	1.7	1.5	.2	.2	*	*	.1	.3	.0		4.1	
	22+	1 1	.6	*	.0	.0	.0	.0	*	.0		1.7	
	TOT %	3.4	2.9	.5	.5	.1	.1	.2	.6	.0	.1	8.5	
	0-3	.1	.3	1	.1	.1	.1	*	.1	.0	.2	1.2	
5<10	4-10	2.6	3.0	2.1	1 8	.7	3	.4	1.1	.0		12.0	
	11-21	8 1	7.3	2.5	5 4	.6	*	.2	1.1	.0		25.3	
	22+	3.7	2.4	.2	.6	*	.0	.0	.3	.0		7.2	
	TOT %	14.6	13 0	4.8	8 0	1.4	4	6	2.6	.0	.2	45.6	
	0-3	2	2	1	.1	.1	.1	.1	.1	.0	.3	1.2	
10+	4-10	2 5	2 9	3 5	2.8	8	3	.5	1.3	.0		14.7	
	11-21	4 4	4 3	4.4	8 5	6	*	.1	.8	.0		23.2	
	22+	8	1 1	1	1.1	*	.0	.0	.1	.0		3.2	
	TOT %	7 9	8 5	8 2	12.6	1.6	.4	.7	2.2	.0	.3	42.3	
	TOT OBS												6929
	TOT PCT	27 1	25 2	14 0	21 4	3 2	1 0	1.6	5 7	.0	.8	100.0	

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PERIOD: (PRIMARY) 1967-1971
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.5	.4	7.5	17.4	39.2	14.7	1.1	.3	.7	.4	82.0	18.0	1649
06&09	.6	.3	7.0	17.1	35.6	13.9	1.0	.2	1.0	.3	76.9	23.1	1642
12&15	.4	3	5.8	14.8	32.1	12.2	.9	.4	.4	.3	67.6	32.4	1630
18&21	.2	.3	4.5	12.2	36.0	13.4	1.3	.7	.6	.4	70.5	29.5	1625
TOT	27	22	406	1023	2340	886	70	25	43	22	4864	1682	6546
PCT	.4	.3	6.2	15.6	35.7	13.5	1.1	.4	.7	.3	74.3	25.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	1.1	1.1	1 3	9.8	43.9	42.7	1666
05&09	.6	.8	2.3	8.2	42.2	45.7	1658
12&15	1 0	.4	1.1	7.8	49 6	40.0	1644
18&21	.7	.6	9	7.1	49.8	40.9	1642
TOT	61	48	82	545	3065	2799	6610
PCT	.9	7	1.4	8.2	46.4	42 3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	1.7	10.0	30.0	53.1	16.9	1666
06&09	1.7	9.2	28.6	49.0	22.3	1658
12&15	1.5	7.8	25.9	43.1	31.0	1644
18&21	1.4	6.4	22.4	49.0	28.7	1642
TOT	106	553	1766	3211	1633	6610
PCT	1.6	8.4	26.7	48.6	24.7	100.0

PERIOD: (PRIMARY) 1967-1971
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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	*	.1	.0	.0	7	.1
80/84	.0	*	*	*	.2	.3	.2	.1	53	.8
75/79	.0	.0	.0	.1	.2	2.2	8.5	5.2	1065	16.2
70/74	.0	.0	.0	*	.8	4.8	10.9	11.3	1834	27.8
65/69	.0	.0	*	.1	.4	3.0	10.4	10.3	1589	24.1
60/64	.0	.0	*	.1	1.3	4.0	9.4	7.9	1498	22.7
55/59	.0	.0	.0	*	.4	1.7	3.2	2.2	497	7.5
50/54	.0	.0	.0	*	*	.1	.2	.3	44	.7
TOTAL	0	1	5	27	214	1058	2820	2462	6587	100.0
PCT	.0	*	.1	.4	3.2	16.1	42.8	37.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TEMP F	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	*	*	*	*	.0	.0	*	.0	.0
80/84	*	.1	.3	.4	.1	.0	.0	.0	.0	.0
75/79	.2	.6	3.5	10.3	1.2	.1	.2	.2	.0	.1
70/74	2.9	4.2	6.8	9.8	1.5	.4	.8	1.2	.0	.2
65/69	9.9	7.3	1.8	.9	.4	.4	.5	2.6	.0	.2
60/64	11.7	8.0	.8	.2	*	.1	.2	1.5	.0	.1
55/59	2.7	4.2	.2	*	.0	*	*	.3	.0	.0
50/54	.2	.4	*	.0	.0	.0	.0	*	.0	.0
TOTAL	27.8	24.8	13.4	21.6	3.2	1.0	1.6	5.9	.0	.7

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	84	78	76	68	58	54	51	68.1	1743
06&09	87	82	79	69	58	55	51	68.8	1758
12&15	82	78	76	68	58	55	51	67.9	1748
18&21	82	77	76	68	58	55	52	67.7	1772
TOT	87	79	77	68	58	55	51	68.1	7021

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.2	3.3	16.0	41.2	39.3	86	1651
06&09	.0	1.0	4.6	21.0	45.0	28.5	84	1639
12&15	.0	.4	3.0	15.4	43.6	37.5	86	1649
18&21	.0	.4	2.1	12.0	41.5	44.0	87	1655
TOT	0	33	214	1060	2823	2464	86	6594

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	1	.0	*
11/13	.0	.0	.0	.0	.0	.1	*	*	*	.1	13	*	.1
9/10	.0	.0	.0	.0	*	*	.1	.1	.1	*	26	*	.3
7/8	.0	.0	.0	*	.1	.2	.2	.3	.1	.0	59	.1	.8
6	.0	.0	.0	.0	.1	.2	.3	.1	*	*	51	.1	.6
5	.0	.0	.0	.0	.3	.2	.6	.6	.1	.0	120	.2	1.6
4	.0	.0	.0	.2	.2	.5	1.1	.5	.1	.0	178	.3	2.3
3	.0	.0	.0	.3	.4	.7	2.0	.7	.1	.0	285	.4	3.8
2	.0	.0	.0	.4	.5	1.5	2.5	.9	.1	.0	405	.6	5.4
1	.0	.0	*	.4	.7	1.1	3.4	.7	*	.0	429	.3	6.0
0	.0	.0	.3	.6	.8	2.2	4.5	.4	.0	.0	598	.6	8.2
-1	.0	.0	.2	.6	.9	2.2	3.8	.4	.0	.0	552	.5	7.6
-2	.0	*	.2	.8	1.4	3.0	2.5	.2	.0	.0	553	.4	7.7
-3	.0	.0	.5	.6	1.3	3.2	1.5	.1	.0	.0	490	.2	7.0
-4	.0	.1	.6	.7	2.0	1.8	.8	.0	.0	.0	406	.3	5.7
-5	.0	.1	.5	1.0	2.5	1.7	.4	.0	.0	.0	425	.3	6.0
-6	.0	.3	.3	1.5	2.1	.9	.1	.0	.0	.0	349	.2	4.9
-7/-8	.0	.9	1.1	4.4	3.5	.9	.1	.0	.0	.0	742	.3	10.6
-9/-10	.0	.6	1.8	4.5	1.5	.2	*	.0	.0	.0	593	.3	8.5
-11/-13	.1	.3	2.4	2.7	.7	*	.0	.0	.0	.0	422	.1	6.1
-14/-16	.0	.2	.4	.4	*	.0	.0	.0	.0	.0	75	*	1.1
-17/-19	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	23	.0	.3
TOTAL											6795		
PCT	.1	2.5	8.7	19.4	19.2	20.5	23.8	5.2	.5	.1	100.0	5.4	94.6

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

AREA 0001 TONKIN GULF 18.3N 107.6E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.2	*	.0	.0	.0	1.3
1-2	.1	2.9	4.1	.0	.0	.0	7.0
3-4	*	1.6	6.1	1.4	.0	.0	9.1
5-6	.0	.2	2.4	1.0	.0	.0	3.5
7	.0	.1	2.6	1.9	.1	.0	4.6
8-9	.0	*	.8	1.1	*	.0	2.0
10-11	.0	*	.3	1.1	.1	.0	1.5
12	.0	.0	.0	.1	.1	.0	.1
13-16	.0	.0	*	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	5.9	16.3	6.6	.2	.0	29.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.3	*	.0	.0	.0	1.5
1-2	.2	3.7	3.8	.0	.0	.0	7.7
3-4	.0	1.7	7.0	1.4	.0	.0	10.1
5-6	.0	.3	1.5	.9	*	.0	2.7
7	.0	.1	1.5	1.1	*	.0	2.8
8-9	.0	*	.4	.5	.1	.0	1.0
10-11	.0	*	.2	.4	*	.0	.6
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	7.0	14.5	4.4	.1	.0	26.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.1	*	.0	.0	.0	1.3
1-2	.1	3.0	2.6	.0	.0	.0	5.8
3-4	*	1.3	3.2	.1	.0	.0	4.6
5-6	.0	2	.6	.1	.0	.0	.9
7	.0	*	.4	.1	*	.0	.5
8-9	.0	*	.1	.1	.0	.0	.2
10-11	.0	.0	*	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	.0	0	.0	.0	.0	.0	.0
49-60	.0	0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	0	0	.0	.0	.0	.0	.0
87+	0	0	.0	.0	.0	.0	.0
TOT PCT	3	5.6	7.0	.3	*	.0	13.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.0	*	.0	.0	.0	1.2
1-2	.1	2.9	4.8	.0	.0	.0	7.8
3-4	*	1.0	6.9	1.1	.0	.0	9.0
5-6	*	*	.7	.3	.0	.0	1.1
7	.0	.0	.3	.1	.0	.0	.5
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	4.9	12.8	1.6	.0	.0	19.7

PERIOD: (OVER-ALL) 1963-1971

FEBRUARY

TABLE 18

AREA 0001 TONKIN GULF
18.3N 107.6E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.5	*	.0	.0	.0	.6
1-2	.1	.9	.6	.0	.0	.0	1.5
3-4	*	.3	.5	.0	.0	.0	.8
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
25-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.7	1.1	.0	.0	.0	2.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.3
1-2	.1	.2	.1	.0	.0	.0	.4
3-4	*	.1	*	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
25-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.6	.1	.0	.0	.0	.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.3	.0	.0	.0	.0	.4
1-2	.1	.5	.2	.0	.0	.0	.7
3-4	.0	.1	.2	.0	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	*	.0	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	0	.0	.0	.0	.0	.0
41-48	0	.0	.0	0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	0	0	.0	0	.0	0	.0
TOT PCT	2	1.0	.4	.0	0	.0	1 5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.9	*	.0	.0	.0	1.0
1-2	.2	1.3	1.1	.0	.0	.0	2.6
3-4	*	.4	.9	.2	.0	.0	1.7
5-6	*	.1	.3	*	.0	.0	.4
7	.0	*	.2	.1	.0	.0	.3
8-9	.0	.0	*	*	*	.0	*
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2 7	2.6	.4	*	.0	5.9

FEBRUARY

PERIOD: (OVER-ALL) 1963-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.3	6.5	.2	.0	.0	.0	7.9	
1-2	1.0	15.3	17.2	.0	.0	.0	33.5	
3-4	.1	6.5	24.8	4.3	.0	.0	35.7	
5-6	*	.8	5.5	2.3	*	.0	8.6	
7	.0	.3	4.9	3.3	.1	.0	8.6	
8-9	.0	*	1.4	1.7	.1	.0	3.2	
10-11	.0	*	.6	1.5	.1	.0	2.1	
12	.0	.0	.0	.2	.1	.0	.2	
13-16	.0	.0	*	*	.0	.0	*	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								5333
TOT PCT	2.4	29.4	54.6	13.2	.4	.0	100.0	

PERIOD: (OVER-ALL) 1963-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.0	24.1	29.2	6.7	6.2	1.3	.5	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3977	3
6-7	.0	1.5	4.0	3.0	4.2	1.8	1.1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	890	5
8-9	*	.4	.7	.7	1.1	1.1	1.3	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	326	7
10-11	.0	.3	.2	*	.1	.1	.3	.4	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	81	7
12-13	.0	.0	.5	.1	.0	*	.1	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	44	8
>13	.0	.0	0	*	*	*	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	11
INDET	.9	2.1	2.0	.6	.4	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	351	3
TOTAL	168	1617	2069	631	679	248	190	51	25	0	0	0	0	0	0	0	0	0	0	5678	4
PCT	3.0	28.5	36.4	11.1	12.0	4.4	3.3	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1874-1971

AREA 0001 TONKIN GULF
18.2N 107.6E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	1.1	.2	1.4	.0	.0	.0	.0	2.7		*	.9	1.2	.0		10.3	
NE	.5	.2	.6	.0	.0	.0	.0	1.3		.1	1.7	1.9	*		11.5	
E	.2	.1	.3	.0	.0	.0	.0	.7		*	1.5	2.6	.0		13.5	
SE	.2	.1	.1	.0	.0	.0	*	.4		.1	1.9	8.2	*		22.8	
S	*	.1	.1	.0	.0	.0	.0	.2		*	1.0	1.4	.0		4.5	
SW	.1	*	*	.0	.0	.0	.0	.1		.0	.5	.3	.0		.6	
W	.1	*	.1	.0	.0	.0	.0	.2		.0	.2	.2	.0		1.1	
NW	.3	.2	.6	.0	.0	.0	.0	1.0		.0	.6	.3	.0		3.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0	
CALM	*	*	*	.0	.0	.0	.0	.1		.0	.2	.2	.0		.5	
TOT OBS	150	70	245	0	0	0	1		503	21	633	1220	2		5115	7494
TOT PCT	2.5	.9	3.3	.0	.0	.0	*	6.7		.3	8.4	16.3	*		68.3	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	3.1	1.0	4.1	.0	.0	.0	.1	8.2		.0	11.1	16.2	.0		64.5	
06&09	2.0	.6	2.1	.0	.0	.0	.0	4.6		.0	9.1	19.9	.1		66.3	
12&15	1.9	.9	2.9	.0	.0	.0	.0	5.6		.4	6.8	17.4	.0		69.8	
18&21	3.2	1.3	4.0	.0	.0	.0	.0	8.5		.8	7.1	11.5	.0		72.1	
TOT	190	70	246	0	0	0	1		504	21	641	1223	2		5119	7510
PCT	2.5	.9	3.3	.0	.0	.0	*	6.7		.3	8.5	16.3	*		68.2	

MARCH

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1874-1971

AREA 0001 TONKIN GULF
18.2N 107.6E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.7	4.8	7.8	1.7	*	.0		15.0	13.5	13.6	14.4	15.6	20.1	14.6	15.4	13.1	17.1
NE	.6	7.1	7.4	1.9	*	.0		17.1	12.6	18.8	13.5	17.9	11.0	19.3	13.8	18.6	16.0
E	.7	8.0	9.0	.7	*	.0		18.4	11.5	18.2	18.9	18.2	17.9	19.8	18.8	17.6	17.3
SE	.5	8.2	21.5	2.8	*	.0		33.0	14.1	30.9	35.7	28.8	38.1	33.0	36.9	33.1	35.1
S	.2	2.9	3.2	.5	*	.0		7.0	12.3	7.5	7.1	6.9	5.3	5.4	8.0	8.2	7.3
SW	.2	1.1	.2	*	.0	.0		1.4	7.2	1.9	2.8	1.9	.6	1.2	.7	1.3	.6
W	.2	1.2	.3	*	.0	.0		1.7	7.5	2.4	1.3	2.4	.9	1.2	.6	2.3	1.1
NW	.4	2.7	2.0	.1	*	.0		5.4	10.1	5.7	5.1	6.9	5.4	4.8	4.7	4.8	4.4
VAR	.0	0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0							1.0	.0	1.0	1.2	1.3	.7	.7	1.0	1.0	1.1
TOT OBS	344	2790	3958	606	11	0	7709		12.6	1336	581	1339	605	1327	600	1301	620
TOT PCT	4.5	36.2	51.3	7.9	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.2	8.3	4.1	.4	.0		15.0	13.5	13.8	17.0	14.8	14.4
NE	3.1	9.5	3.9	.5	.0		17.1	12.6	17.2	15.8	17.8	17.7
E	2.9	12.6	2.8	.1	.0		18.4	11.5	18.4	18.1	19.5	17.5
SE	2.3	20.3	10.2	.3	.0		33.0	14.1	32.4	31.7	34.2	33.8
S	1.3	4.0	1.6	.1	.0		7.0	12.3	7.4	6.4	6.3	7.9
SW	.8	.6	.1	.0	.0		1.4	7.2	2.1	1.5	1.0	1.1
W	.8	.9	.1	.0	.0		1.7	7.5	2.0	2.0	1.0	1.9
NW	1.5	3.1	.7	*	.0		5.4	10.1	5.5	6.5	4.8	4.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.0						1.0	.0	1.1	1.1	.8	1.0
TOT OBS	1237	4564	1805	103	0	7709		12.6	1917	1944	1927	1921
TOT PCT	16.0	59.2	23.4	1.3	.0		100.0		100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1874-1971

AREA 0001 TONKIN GULF
18.2N 107.8E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.1	4.5	34.7	51.5	8.0	.2	.0	12.5	100.0	1917
06&09	1.1	3.9	37.1	51.8	6.0	.1	.0	12.2	100.0	1944
12&15	.8	2.6	36.1	51.7	8.7	.2	.0	12.8	100.0	1927
18&21	1.0	2.9	36.9	50.3	8.7	.2	.0	12.7	100.0	1921
TOT	77	267	2790	3958	606	11	0	12.6		7709
PCT	1.0	3.5	36.2	51.3	7.9	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.8	.3	2.1	11.7		7.2
NE	1.4	.7	3.0	10.9		6.8
E	4.1	1.7	5.4	7.1		5.4
SE	15.3	3.8	8.2	7.1		3.8
S	2.4	.7	1.5	2.3		4.5
SW	.3	.1	.2	.8		6.0
W	.2	.2	.4	1.0		6.4
NW	.4	.2	1.1	3.8		7.0
VAR	.0	.0	0	.0		.0
CALM	.1	.1	.3	.4		6.2
TOT OBS	1769	547	1577	3190	7083	5.4
TOT PCT	25.0	7.7	22.3	45.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM >4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	.1	.2	1.7	3.7	6.1	1.3	.1	.1	*	.1	1.6	
NE	.1	.3	1.2	2.8	6.4	2.2	.3	.1	.1	*	2.5	
E	*	.1	.8	1.6	5.5	1.9	.4	.2	.3	.3	7.1	
SE	.2	.2	1.0	2.3	5.4	2.2	.2	.1	.5	.4	21.7	
S	*	*	.2	.7	1.5	.6	*	*	*	.1	3.7	
SW	*	*	.1	.2	.4	.1	*	.0	.0	*	.4	
W	.0	.0	.1	.2	.6	.2	*	.0	.1	*	.4	
NW	.1	*	.4	1.4	2.3	.3	.1	*	.0	*	.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.1	.2	.3	.1	*	.0	.0	*	.2	
TOT OBS	45	61	392	927	2027	635	87	43	71	76	2719	7083
TOT PCT	.6	.9	5.5	13.1	28.6	9.0	1.2	.6	1.0	1.1	38.4	100.0

MARCH

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1874-1971

AREA 0001 TONKIN GULF
18.2N 107.6E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = 8R >10	= 8R >5	= 8R >2	= 8R ≥1	= 8R >1/2	= 8R >1/4	= 8R >50YD	= 8R >0
= 8R >6500	1.1	1.9	2.1	2.1	2.1	2.1	2.1	2.1
= 8R >5000	1.4	2.4	2.7	2.7	2.7	2.7	2.7	2.7
= 8R >3500	2.0	3.6	3.9	3.9	3.9	3.9	3.9	3.9
= 8R >2000	7.0	12.0	12.8	12.9	12.9	12.9	12.9	12.9
= 8R >1000	17.8	37.9	41.1	41.4	41.4	41.5	41.5	41.5
= 8R >600	20.9	48.5	53.7	54.3	54.5	54.5	54.6	54.6
= 8R >300	21.5	51.5	58.6	59.4	59.8	60.0	60.1	60.1
= 8R >150	21.7	51.9	59.1	60.1	60.6	60.7	61.0	61.0
= 8R > 0	21.7	52.0	59.3	60.3	60.9	61.2	61.5	61.6
TOTAL	1536	3686	4205	4272	4320	4337	4361	4367

TOTAL NUMBER OF OBS: 7089 PCT FREQ HH (5/8: 38.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
16.6	4.0	9.5	4.6	3.1	4.2	8.9	6.5	40.6	2.2	7242

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1874-1971

AREA 0001 TONKIN GULF
10.2N 107.6E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	*	*	*	*	.0	*	.0	.0	.1	
	NO PCP	.2	.2	.2	.4	.3	.1	*	.1	.0	.1	1.6	
	TOT %	.2	.2	.2	.4	.3	.1	*	.2	.0	.1	1.8	
1/2<1	PCP	.1	*	.0	*	*	.0	.0	*	.0	.0	.2	
	NO PCP	.1	.3	.1	.3	.1	.1	*	.1	.0	*	1.0	
	TOT %	.2	.3	.1	.3	.1	.1	*	.2	.0	*	1.2	
1<2	PCP	.2	.1	*	*	.0	*	*	.1	.0	.0	.4	
	NO PCP	.1	.2	.2	.2	.1	*	.0	*	.0	*	.9	
	TOT %	.3	.3	.3	.2	.1	.1	*	.1	.0	*	1.3	
2<5	PCP	.7	.4	.3	.1	*	*	.1	.3	.0	.0	1.9	
	NO PCP	.5	1.3	1.3	2.5	.8	.3	.1	3	.0	.1	7.2	
	TOT %	1.2	1.7	1.6	2.6	.8	.3	.2	3	.0	.1	9.2	
5<10	PCP	1.5	.7	.3	.3	.1	*	.1	.5	.0	*	3.6	
	NO PCP	6.0	7.3	7.5	15.0	3.0	.6	.5	1.8	.0	.3	41.9	
	TOT %	7.4	8.0	7.8	15.3	3.0	.6	.6	2.4	.0	.4	45.4	
10+	PCP	.1	.1	.1	*	*	*	*	.1	.0	*	.5	
	NO PCP	5.5	5.9	8.4	14.9	2.7	.3	.8	1.9	.0	.3	40.7	
	TOT %	5.7	6.0	8.4	14.9	2.7	.3	.8	1.9	.0	.4	41.1	
	TOT OBS												7493
	TOT PCT	15.0	16.5	18.3	33.6	7.0	1.4	1.7	5.4	.0	1.0	100.0	

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1874-1971

AREA 0001 TONKIN GULF
18.2N 107.5E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	*	*	*	*	*	.1	.0	.0	.0	.1	.3	
<1/2	4-10	.1	.2	.2	.3	.2	.1	*	.1	.0		1.2	
	11-21	*	.1	.1	.1	.1	.0	*	*	.0		.4	
	22+	.0	.0	.0	*	.0	.0	.0	.0	.0		*	
	TOT %	.2	.3	.2	.4	.3	.1	*	.2	.0	.1	1.8	
	0-3	*	*	*	*	*	*	.0	.0	.0	*	.1	
1/2 <1	4-10	.1	.1	*	.1	.1	.1	*	.1	.0		.6	
	11-21	.1	.1	*	.1	.1	.0	.0	*	.0		.4	
	22+	*	.1	.0	*	*	.0	.0	.0	.0		.1	
	TOT %	.2	.3	.1	.3	.1	.1	*	.2	.0	*	1.2	
	0-3	*	*	*	*	.0	.0	*	*	.0	*	.2	
1 <2	4-10	.1	.1	.1	.1	*	*	*	.1	.0		.6	
	11-21	.1	.1	.1	.1	*	*	.0	.1	.0		.5	
	22+	*	*	*	.0	.0	.0	.0	*	.0		.1	
	TOT %	.3	.3	.3	.2	.1	.1	*	.1	.0	*	1.4	
	0-3	*	.1	.1	*	.1	*	*	.1	.0	.1	.5	
2 <5	4-10	.5	.8	.7	.7	.4	.3	.1	.3	.0		4.0	
	11-21	.5	.7	.8	1.5	.3	*	*	.2	.0		3.9	
	22+	.?	.3	*	.3	*	.0	.0	*	.0		1.1	
	TOT %	1.3	2.0	1.6	2.6	.8	.3	.2	.7	.0	.1	9.5	
	0-3	.3	.2	.2	.2	*	.1	.1	.2	.0	.4	1.7	
5 <10	4-10	2.0	3.0	3.4	2.9	1.2	.4	.5	1.1	.0		14.5	
	11-21	4.0	3.8	3.9	10.1	1.5	.1	.1	.9	.0		24.4	
	22+	1.0	1.1	.4	.8	.4	*	.0	*	.0		4.7	
	TOT %	7.3	8.1	7.9	15.1	3.1	.6	.6	2.3	.0	.4	45.3	
	0-3	.2	.2	.3	.1	.1	*	.1	.1	.0	.4	1.5	
10+	4-10	1.9	2.7	3.6	4.2	1.1	.2	.5	1.0	.0		15.2	
	11-21	3.1	2.6	4.2	9.8	1.4	*	.1	.8	.0		22.0	
	22+	.3	.4	.3	.7	.1	*	*	*	.0		1.9	
	TOT %	5.6	5.9	8.3	14.7	2.7	.3	.8	1.9	.0	.4	40.6	
TOT OBS													7622
TOT PCT		15.0	16.9	18.5	33.2	7.0	1.4	1.8	5.3	.0	1.0	100.0	

MARCH

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1874-1971

AREA 0001 TONKIN GULF
18.2N 107.6E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.8	1.0	7.5	17.0	30.4	9.7	1.5	.6	1.0	1.4	70.8	29.2	1764
06&09	1.0	.6	6.1	12.8	26.5	9.1	1.3	.8	1.5	1.0	60.8	39.2	1764
12&15	.4	.8	4.4	10.3	26.7	8.1	1.1	.6	1.0	1.3	54.8	45.2	1785
18&21	.3	1.0	4.1	12.2	30.7	9.0	1.0	.5	.6	.6	59.9	40.1	1764
TOT	45	61	392	927	2027	636	88	43	73	76	4368	2729	7097
PCT	.6	.9	5.5	13.1	28.6	9.0	1.2	.6	1.0	1.1	61.5	38.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	3.0	1.4	1.5	12.2	40.7	41.1	1815
06&09	1.7	1.4	1.6	10.7	40.0	44.5	1816
12&15	1.3	.6	.9	7.6	49.6	40.0	1803
8&21	1.5	.6	.7	6.9	51.7	38.6	1790
TOT	136	73	86	676	3286	2967	7224
PCT	1.9	1.0	1.2	9.4	45.5	41.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	3.8	12.6	35.5	39.2	25.2	1815
06&09	2.9	10.3	29.4	35.5	35.2	1816
12&15	1.5	6.9	21.7	35.4	42.8	1803
18&21	1.9	7.2	22.7	38.8	38.5	1790
TOT	183	668	1976	2689	2559	7224
PCT	2.5	9.2	27.4	37.2	35.4	100.0

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1874-1971

AREA 0001 TONKIN GULF
18.2N 107.6E

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	*	.1	.1	*	.0	17	.2
80/84	.0	.0	.0	*	.1	.6	1.5	.6	204	2.8
75/79	.0	.0	*	.1	.2	2.0	13.5	16.8	2344	32.7
70/74	.0	.0	.0	.1	.7	2.8	12.7	23.8	2881	40.2
65/69	.0	.0	.0	*	.2	1.6	5.7	7.6	1083	15.1
60/64	.0	.0	.0	.0	.2	.9	2.6	3.6	519	7.2
55/59	.0	.0	.0	.0	*	.3	.7	.6	115	1.6
50/54	.0	.0	.0	.0	.0	.0	.1	.1	8	.1
TOTAL	0	0	1	16	106	595	2646	3807	7171	100.0
PCT	.0	0	*	.2	1.5	8.3	36.9	53.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	*	.1	.1	.0	.0	.0	.0	.0	.0
.1	.2	.5	1.4	.5	*	*	.1	.0	.0
.9	1.6	6.8	18.9	2.9	.4	.4	.7	.0	.2
5.5	5.6	8.2	12.8	3.2	.7	.8	2.8	.0	.5
5.3	4.4	1.8	.7	.5	.3	.4	1.5	.0	.3
2.4	3.5	.6	.1	.1	*	.1	.3	.0	*
.8	.7	.1	*	*	.0	*	*	.0	.0
*	.1	.0	.0	.0	.0	.0	.0	.0	.0
15.0	16.0	18.1	34.0	7.2	1.5	1.8	5.4	.0	1.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	81	79	73	62	57	51	71.9	1913
06&09	86	83	81	74	62	56	53	73.1	1941
12&15	86	81	78	73	62	57	53	71.9	1930
18&21	84	79	78	72	61	57	52	71.3	1923
TOT	86	82	79	73	62	57	51	72.1	7707

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-89	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.2	1.6	7.0	37.0	54.2	89	1801
06&09	.0	.2	2.7	13.4	47.7	36.1	86	1794
12&15	.0	.3	1.0	7.4	36.0	55.2	89	1794
18&21	.0	.2	.6	5.4	26.8	67.0	90	1793
TOT	0	17	106	596	2647	3816	89	7182

MARCH

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1874-1971

AREA 0001 TONKIN GULF
18.2N 107.8E

* TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.0	*	.0	*	.0	2	.0	*
14/16	.0	.0	.0	.0	.0	.0	.1	.0	.0	4	*	*
11/13	.0	.0	.0	.0	.2	.2	.2	.1	.1	47	.1	.5
9/10	.0	.0	.0	*	.2	.4	.1	.2	.1	78	.3	.8
7/8	.0	.0	*	.2	.7	.7	.8	.3	*	196	.6	2.1
6	.0	.0	.0	.2	.7	.6	.7	.2	.0	171	.4	1.9
5	.0	.0	.1	.2	1.1	1.5	1.2	.3	*	330	.7	3.7
4	.0	.0	.1	.3	1.3	2.5	1.7	.2	*	463	.7	5.6
3	.0	.0	.2	.4	.7	4.7	2.5	.1	*	645	.7	8.0
2	.0	*	.4	.5	1.8	5.5	2.5	.1	.0	798	1.0	9.8
1	.0	.1	.2	.5	1.8	5.9	2.2	*	.0	800	.8	9.9
0	.0	.2	.4	.8	2.5	4.9	1.5	*	.0	766	1.0	9.3
-1	.0	*	.2	.4	2.2	4.7	1.1	*	.0	642	.6	8.0
-2	.1	.1	.4	.9	2.1	3.1	.4	.0	.0	527	.5	6.6
-3	.0	.1	.3	1.0	2.4	2.0	.3	*	.0	461	.3	5.9
-4	*	.2	.4	1.2	1.7	.8	.3	.0	.0	347	.2	4.5
-5	*	.2	.6	1.3	1.9	.4	.1	.0	.0	346	.2	4.5
-6	*	.1	.8	.9	1.4	.2	*	.0	.0	252	.1	3.3
-7/-8	.2	.5	1.4	1.7	.7	.1	*	.0	.0	336	.1	4.4
-9/-10	.1	.4	.6	.4	.2	*	.0	.0	.0	136	*	1.8
-11/-13	.1	.5	.3	*	.1	.0	.0	.0	.0	69	*	.9
-14/-16	.1	.2	.0	.0	.0	.0	.0	.0	.0	16	.0	.2
-17/-19	*	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL										7433		
PCT	.6	2.6	6.4	10.8	23.7	38.2	15.7	1.6	.2	100.0	8.5	91.5

PERIOD: (OVER-ALL) 1963-1971

MARCH

TABLE 18

AREA 0001 TONKIN GULF
18.2N 107.6E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.0	.1	.0	.0	.0	1.4
1-2	3	2.2	1.8	.0	.0	.0	4.2
3-4	*	1.3	3.7	.3	.0	.0	5.4
5-6	*	.1	1.2	.2	*	.0	1.5
7	.0	.1	1.3	.4	*	.0	1.8
8-9	.0	*	.4	.4	.0	.0	.8
10-11	.0	.0	.2	.3	.0	.0	.5
12	.0	.0	*	.1	.0	.0	.1
13-16	.0	*	.0	.1	.0	.0	.1
17-19	.0	.0	*	.0	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	4.8	8.6	1.7	*	.0	15.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.7	*	.0	.0	.0	1.9
1-2	.2	3.6	2.8	.0	.0	.0	6.7
3-4	*	1.4	2.8	.6	.0	.0	4.8
5-6	.0	.2	.9	.4	.0	.0	1.4
7	.0	.1	.6	.5	*	.0	1.2
8-9	.0	.0	.2	.2	*	.0	.4
10-11	.0	.0	*	.1	*	.0	.2
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	0	.0	.0	.0	.0
TOT PCT	.4	7.0	7.3	1.9	*	.0	16.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.6	*	.0	.0	.0	2.0
1-2	.2	4.5	3.6	.0	0	.0	8.3
3-4	0	1.5	4.0	.4	.0	.0	5.9
5-6	*	.2	.8	.2	.0	.0	1.2
7	*	*	4	.1	*	.0	.5
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	0	*	.0	0	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	0	.0	.0	.0	.0	.0	.0
23-25	0	.0	.0	.0	.0	.0	.0
26-32	.0	0	.0	.0	0	.0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	0	0	.0	.0	.0	.0	.0
49-60	0	.0	0	0	.0	.0	.0
61-70	0	.0	0	0	.0	.0	.0
71-86	0	.0	0	0	.0	.0	.0
87+	0	0	.0	0	.0	0	.0
TOT PCT	5	7.8	8.8	.7	*	.0	17.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.4	1	.0	.0	.0	1.6
1-2	.2	4.9	8.3	.0	.0	.0	13.3
3-4	*	2.0	12.2	2.1	.0	.0	16.3
5-6	.0	.2	1.4	.4	*	.0	2.0
7	.0	*	.8	.5	.0	.0	1.3
8-9	.0	.0	*	*	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	*	.0	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	8.5	22.8	3.0	*	.0	34.6

PERIOD: (OVER-ALL) 1963-1971

MARCH

TABLE 18

AREA 0001 TONKIN GULF
18.2N 107.6E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	.1	.0	.0	.0	.9
1-2	.1	1.5	1.4	.0	.0	.0	3.0
3-4	.0	.5	1.5	.4	.0	.0	2.4
5-6	.0	*	.1	.1	.0	.0	.2
7	.0	.0	*	*	*	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.7	3.1	.5	*	.0	6.6

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.0	.0	.5
1-2	*	.6	.1	.0	.0	.0	.7
3-4	*	.1	*	*	.0	.0	.2
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.1	.2	*	.0	.0	1.4

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.0	.0	.5
1-2	.1	.6	.1	.0	.0	.0	.8
3-4	.0	.1	*	.0	.0	.0	.2
5-6	.0	*	*	.0	.0	.0	*
7	0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	0	.0	.0
12	.0	0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	0	.0	.0	.0	.0	.0
23-25	0	0	.0	.0	.0	.0	.0
26-32	.0	.0	0	.0	.0	.0	.0
33-40	0	0	.0	.0	.0	.0	.0
41-48	0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	0	0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	0	0	0	.0	.0	.0
87+	0	0	.0	.0	.0	.0	.0
TOT PCT	2	1 1	2	0	.0	.0	1.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.7	*	.0	.0	.0	.9
1-2	.2	1.2	.7	.0	.0	.0	2.1
3-4	*	.6	.8	*	.0	.0	1.5
5-6	*	.1	.2	*	.0	.0	.3
7	.0	*	.1	.0	.0	.0	.1
8-9	.0	.0	.1	*	.0	.0	.1
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	*	.0	.0	.0	*
13-16	.0	*	.0	.0	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	2.6	2.0	*	.0	.0	5.0

PERIOD: (OVER-ALL) 1963-1971

AREA 0001 TONKIN GULF
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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.2	7.8	.3	.0	.0	.0	10.3	
1-2	1.2	19.1	18.7	.0	.0	.0	39.1	
3-4	.2	7.5	25.0	3.9	.0	.0	36.6	
5-6	*	.8	4.6	1.2	*	.0	6.7	
7	*	.2	3.2	1.4	.1	.0	5.0	
8-9	.0	*	.7	.6	*	.0	1.3	
10-11	.0	.0	.2	.4	*	.0	.6	
12	.0	.0	*	.1	.0	.0	.2	
13-16	.0	*	.0	.2	.0	.0	.2	
17-19	.0	.0	*	.0	.0	.0	*	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								5720
TOT PCT	3.6	35.5	52.9	7.9	.1	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.1	28.9	34.2	4.7	3.7	.6	.3	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4522	3
6-7	1	.8	4.7	2.7	2.5	1.0	.3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	740	5
8-9	*	.2	.8	.6	1.5	.4	.3	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	237	6
10-11	.0	.6	.2	*	.4	.4	.3	*	.2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	130	7
12-13	.0	.0	.3	.0	*	.0	.1	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	30	6
>13	.0	.0	.0	.1	.1	.0	.0	*	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	8
INDET	1.4	2.5	2.0	.2	.2	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	385	2
TOTAL	221	2001	2560	502	508	151	79	18	15	4	0	0	0	0	0	0	0	0	0	6059	3
PCT	3.6	33.0	42.3	8.3	8.4	2.5	1.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1904-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W0 PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.6	.2	.4	.0	.0	.0	.0	1.3		*	.7	.9		.0	9.5	
NE	.4	.2	.2	.0	.0	.0	.0	.8		.1	1.1	1.2		.0	9.8	
E	.2	.2	.1	.0	.0	.0	.0	.4		.1	1.0	2.5		.0	13.9	
SE	.1	.1	.1	.0	.0	.0	.0	.2		.2	1.3	5.2		.0	30.6	
S	.1	*	*	.0	.0	.0	.0	.1		*	.6	1.1		.0	7.8	
SW	*	*	*	.0	.0	.0	.0	.1		*	.1	.2		.0	.9	
W	.1	*	.1	.0	.0	.0	.0	.2		*	.1	.2		.0	1.2	
NW	.2	.1	.3	.0	.0	.0	.0	.6		*	.5	.3		.0	3.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	*	.0	*	.0	.0	.0	.0	.1		.0	.3	.2		.0	.9	
TOT OBS	110	57	93	0	0	0	0		259	37	392	833		0	5458	6972
TOT PCT	1.6	.8	1.3	.0	.0	.0	.0	3.7		.5	5.6	11.9		.0	78.3	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W0 PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	2.0	.9	2.3	.0	.0	.0	.0	5.1		.1	8.0	13.6		.0	73.3	
06&09	1.4	1.0	.8	.0	.0	.0	.0	3.2		.1	5.0	15.1		.0	76.7	
12&15	1.1	.7	.8	.0	.0	.0	.0	2.6		.5	4.5	11.3		.0	81.1	
18&21	1.8	.7	1.5	.0	.0	.0	.0	4.0		1.5	5.0	7.9		.0	81.9	
TOT	110	57	93	0	0	0	0		259	37	392	833		0	5459	6973
PCT	1.6	.8	1.3	.0	.0	.0	.0	3.7		.5	5.6	11.9		.0	78.3	

APRIL

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1904-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.5	4.9	5.2	1.5	.1	.0		12.2	12.8	11.6	14.0	13.6	16.0	11.2	10.8	10.8	11.2
NE	.7	5.9	5.7	.7	.1	.0		13.1	11.6	13.7	11.2	15.5	11.8	13.8	11.4	13.0	11.7
E	.8	9.1	7.7	.3	.0	.0		17.9	10.5	16.3	17.2	15.1	21.1	21.8	18.9	17.1	16.4
SE	.7	11.4	23.2	2.1	.0	.0		37.5	13.3	35.6	36.6	33.9	39.1	39.3	40.0	37.4	40.9
S	.5	4.1	4.8	.3	.0	.0		9.7	11.5	10.8	10.6	8.8	5.8	7.3	12.9	11.6	10.1
SW	.2	.9	.2	*	.0	.0		1.4	7.6	1.5	1.9	2.1	.3	.8	1.3	1.3	1.0
W	.2	1.3	.2	*	.0	.0		1.7	7.2	2.4	1.9	2.6	.7	1.0	.9	1.8	1.5
NW	.4	2.7	1.9	.1	*	.0		5.0	9.9	6.5	5.4	6.6	3.5	4.0	2.2	5.0	5.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.5							1.5	.0	1.6	1.3	1.8	1.4	.8	1.6	2.0	1.8
TOT OBS	794	2844	3471	463	16	0	7088		11.8	1135	605	1130	633	1185	615	1159	626
TOT PCT	5.6	40.1	49.0	5.1	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	2.2	6.9	2.8	.4	*		12.2	12.8	12.4	14.5	11.0	10.9
NE	2.7	7.7	2.6	.2	.0		13.1	11.6	12.8	14.2	13.0	12.5
E	3.5	12.4	1.9	*	.0		17.9	10.5	16.6	17.3	20.8	16.9
SE	3.7	22.9	10.7	.1	.0		37.5	13.3	35.9	35.7	39.5	38.6
S	1.8	6.1	1.7	*	.0		9.7	11.5	10.7	7.7	9.2	11.1
SW	.7	.5	.1	.0	.0		1.4	7.6	1.7	1.6	1.0	1.2
W	.8	.8	*	.0	.0		1.7	7.2	2.2	1.9	1.0	1.7
NW	1.4	3.0	.5	*	.0		5.0	9.9	6.1	5.5	3.3	5.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.5						1.5	.0	1.5	1.6	1.1	1.9
TOT OBS	1306	4287	1444	50	1	7088		11.8	1740	1763	1800	1785
TOT PCT	18.4	60.5	20.4	.7	*		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1904-1971

AREA 0001 TONKIN GULF
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.5	4.1	40.7	47.6	5.9	.1	.0	11.7	100.0	1740
06&09	1.6	4.2	41.7	47.8	4.6	.1	.0	11.6	100.0	1763
12&15	1.1	3.3	35.7	53.1	6.4	.3	.0	12.6	100.0	1800
18&21	1.9	4.5	42.4	47.3	3.6	.3	.0	11.3	100.0	1785
TOT	109	285	2844	3471	363	16	0	11.8		7088
PCT	1.5	4.0	40.1	49.0	5.1	.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.4	1.1	3.8	6.3		6.3
NE	1.5	1.0	3.9	6.3		6.3
E	5.2	2.4	5.9	4.2		4.6
SE	16.4	5.4	10.9	5.5		3.7
S	3.5	1.3	2.4	2.3		4.2
SW	.2	.1	.4	.6		6.0
W	.3	.1	.4	.8		6.0
NW	.5	.4	1.3	2.8		6.5
VAR	.0	.0	.0	.0		.0
CALM	.3	.2	.4	.5		5.2
TOT OBS	1929	793	1932	1930	6584	4.8
TOT PCT	29.3	12.0	29.3	29.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.1	.1	.6	1.9	3.6	1.8	.2	.2	.2	.2	3.7	
NE	.2	.1	.7	1.4	3.5	2.1	.4	.3	.2	.1	3.8	
E	.1	.1	.3	.8	3.3	1.7	.5	.2	.3	.5	10.0	
SE	.1	.1	.7	1.6	3.8	2.4	.5	.2	.4	.8	27.7	
S	*	*	.1	.4	1.2	.7	.1	*	.1	.4	6.3	
SW	.0	*	.1	.1	.4	.2	*	.0	*	.1	.4	
W	*	.0	.2	.2	.5	.2	.1	.0	*	.1	.5	
NW	*	*	.3	.8	1.6	.7	.1	.1	*	.1	1.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	*	*	.1	.1	.4	.1	*	.0	*	*	.6	
TOT OBS	41	25	201	482	1202	638	123	62	88	150	3572	6584
TOT PCT	.6	.4	3.1	7.3	18.3	9.7	1.9	.9	1.3	2.3	54.3	100.0

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1904-1971

AREA 0001 TONKIN GULF
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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	2.1	3.5	3.6	3.6	3.6	3.6	3.6	3.6
= OR >5000	2.7	4.4	4.6	4.6	4.6	4.6	4.6	4.6
= OR >3500	3.7	6.2	6.4	6.4	6.4	6.4	6.4	6.4
= OR >2000	9.0	15.5	16.0	16.1	16.1	16.1	16.1	16.1
= OR >1000	16.8	32.3	33.9	34.2	34.2	34.4	34.4	34.4
= OR >600	18.7	38.6	41.1	41.4	41.5	41.7	41.7	41.7
= OR >300	19.2	40.4	43.9	44.4	44.5	44.7	44.7	44.7
= OR >150	19.2	40.5	44.2	44.7	44.9	45.1	45.1	45.1
= OR > 0	19.3	40.7	44.5	45.1	45.5	45.6	45.7	45.7
TOTAL	1268	2678	2930	2970	2992	3004	3009	3011

TOTAL NUMBER OF OBS: 6583

PCT FREQ NH <5/8: 54.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCO	TOTAL OBS
21.6	7.9	14.4	5.7	4.0	5.6	10.5	5.1	24.0	1.2	6669

APRIL

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1904-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	*	*	.0	.0	.0	*	*	.0	.0	*	.1	
<1/2	NO PCP	.1	.2	.3	.1	.1	*	*	.1	.0	.1	1.1	
	TOT %	.1	.3	.3	.1	.1	.1	.1	.1	.0	.1	1.2	
	PCP	*	*	*	*	.0	.0	.0	*	.0	*	.1	
1/2<1	NO PCP	.1	.1	.1	.1	*	*	*	*	.0	*	.4	
	TOT %	.1	.1	.1	.1	*	*	*	*	.0	*	.5	
	PCP	.1	.1	*	*	*	.0	.1	*	.0	*	.3	
1<2	NO PCP	.1	.2	.1	.1	.1	*	*	.1	.0	*	.7	
	TOT %	.1	.2	.2	.1	.1	*	.1	.1	.0	.1	1.0	
	PCP	.3	.2	.1	*	*	*	*	.2	.0	.0	.9	
2<5	NO PCP	.5	.6	.7	1.2	.3	.1	.1	.3	.0	.2	3.9	
	TOT %	.8	.8	.8	1.2	.3	.1	.1	.4	.0	.2	4.8	
	PCP	.6	.4	.2	.1	.1	*	*	.3	.0	*	1.8	
5<10	NO PCP	3.9	4.9	7.7	17.6	3.6	.5	.5	1.7	.0	.5	40.9	
	TOT %	4.6	5.3	7.8	17.7	3.7	.5	.5	2.1	.0	.5	42.7	
	PCP	.1	.1	.1	*	*	*	*	*	.0	.0	.4	
10+	NO PCP	6.4	6.2	8.7	18.3	5.4	.6	.9	2.2	.0	.6	49.3	
	TOT %	6.5	6.4	8.7	18.4	5.4	.6	.9	2.2	.0	.6	49.8	
	TOT OBS												6971
	TOT PCT	12.3	13.0	17.9	37.5	9.6	1.3	1.7	5.0	.0	1.5	100.0	

APRIL

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1904-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	*	.1	.0	*	.0	.0	.0	*	.0	.1	.3	
<1/2	4-10	.1	.1	.2	.1	.1	*	*	*	.0		.7	
	11-21	*	*	.1	*	*	.0	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	*	.0	.0	.0		*	
	TOT %	.1	.3	.3	.1	.1	*	*	.1	.0	.1	1.2	
	0-3	.0	.0	*	*	.0	.0	.0	.0	.0	*	.1	
1/2 <1	4-10	*	.1	.1	.1	*	*	*	*	.0		.3	
	11-21	*	*	*	*	*	.0	.0	*	.0		.1	
	22+	*	.0	.0	.0	.0	.0	.0	.0	.0		.*	
	TOT %	.1	.1	.1	.1	*	*	*	*	.0	*	.5	
	0-3	*	*	*	*	*	*	.0	*	.0	.1	.3	
1 <2	4-10	.1	.1	.1	.1	.1	.0	.1	.1	.0		.5	
	11-21	*	.1	*	*	*	.0	.0	*	.0		.2	
	22+	*	*	.0	.0	.0	.0	.0	*	.0		.1	
	TOT %	.2	.2	.2	.1	.1	*	.1	.1	.0	.1	1.1	
	0-3	.1	*	.1	.1	*	*	*	*	.0	.2	.6	
2 <5	4-10	.3	.4	.5	.5	.2	.1	.1	.3	.0		2.3	
	11-21	.3	.4	.3	.6	.1	*	*	.1	.0		1.8	
	22+	.2	.1	*	.1	*	.0	.0	*	.0		.4	
	TOT %	.9	.9	.8	1.3	.3	.1	.2	.5	.0	.2	5.1	
	0-3	.2	.2	.3	.2	.2	.1	*	.2	.0	.5	1.9	
5 <10	4-10	1.6	2.2	3.7	4.6	1.5	.3	.4	.9	.0		15.2	
	11-21	1.8	2.4	3.6	11.2	1.9	.1	*	.9	.0		22.0	
	22+	1.0	.6	.2	1.5	.1	.0	*	.1	.0		3.4	
	TOT %	4.5	5.3	7.8	17.6	3.7	.5	.5	2.1	.0	.5	42.5	
	0-3	.2	.3	.4	.4	.3	.1	.1	.1	.0	.6	2.5	
10+	4-10	2.9	3.0	4.5	6.1	2.1	.4	.6	1.3	.0		21.0	
	11-21	3.0	2.8	3.7	11.3	2.7	.1	.2	.8	.0		24.6	
	22+	.4	.2	.1	.5	.3	*	.0	*	.0		1.5	
	TOT %	6.5	6.3	8.7	18.3	5.4	.6	.9	2.2	.0	.6	49.5	
	TOT OBS												7049
	TOT PCT	12.3	13.1	17.9	37.4	9.7	1.4	1.7	5.0	.0	1.5	100.0	

APRIL

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1904-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.9	.5	3.3	9.1	22.7	10.8	2.6	.9	1.2	2.8	54.7	45.3	1630
06&09	.4	.4	4.1	7.8	17.4	9.0	1.8	.8	1.6	2.3	45.5	54.5	1637
12&15	.5	.4	2.6	5.2	15.1	9.0	1.6	1.4	1.3	2.6	39.7	60.3	1685
18&21	.7	.2	2.2	7.2	17.9	9.9	1.5	.6	1.2	1.5	43.0	57.0	1541
TOT	41	25	201	482	1202	638	123	62	88	150	3012	3581	6593
PCT	.6	.4	3.0	7.3	18.2	9.7	1.9	.9	1.3	2.3	45.7	54.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	1.3	.8	1.6	6.7	42.6	46.9	1652
06&09	.8	.5	.4	4.9	42.0	51.4	1651
12&15	1.1	.2	.5	3.4	43.3	51.6	1697
18&2	1.0	.4	.6	4.2	44.5	49.4	1653
TOT	69	32	53	318	2867	3314	6653
PCT	1.0	.5	.8	4.8	43.1	49.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	2.3	6.6	19.9	36.9	43.3	1652
06&09	1.5	6.1	16.4	31.0	52.6	1651
12&15	1.3	4.7	11.7	29.5	58.8	1697
18&21	1.7	4.3	14.0	30.4	55.6	1653
TOT	112	360	1029	2124	3500	6653
PCT	1.7	5.4	15.5	31.9	52.6	100.0

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1904-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	*	*	*	.0	.0	4	.1
85/89	.0	.0	.0	*	*	.8	.3	.1	82	1.2
80/84	.0	.0	.0	.0	.3	2.0	12.8	4.4	1287	19.6
75/79	.0	.0	.0	*	.4	3.8	18.5	28.2	3346	51.0
70/74	.0	.0	.0	.2	.3	2.7	6.5	11.5	1391	21.2
65/69	.0	.0	.0	.2	.3	.8	2.1	2.7	403	6.1
60/64	.0	.0	.0	.0	*	.3	.3	.2	49	.7
55/59	.0	.0	.0	0	.0	.0	.0	*	2	*
TOTAL PCT	0 .0	0 .0	0 .0	31 .5	90 1.4	683 10.4	2662 40.6	3098 47.2	6564	100.0

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	*	*	*	.0	.0	.0	.0	.0	.0
.1	.1	.1	.6	.2	.1	*	*	.0	*
.4	.8	3.3	11.1	3.1	.2	.2	.3	.0	.2
4.1	5.2	10.7	23.3	4.8	.5	.5	1.2	.0	.6
5.2	4.5	2.7	2.6	1.2	.5	.9	2.9	.0	.7
2.3	1.9	.8	.1	*	.1	.1	.7	.0	.1
.4	.2	*	*	.0	.0	.0	*	.0	*
*	*	.0	.0	.0	.0	.0	.0	.0	.0
12.6	12.8	17.7	37.9	9.3	1.3	1.7	5.2	.0	1.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	84	82	76	68	64	59	75.9	1735
06&09	90	87	84	78	69	64	60	77.4	1752
12&15	88	84	82	76	68	65	60	76.1	1796
18&21	89	83	81	76	68	64	57	75.5	1781
TOT	90	85	82	77	69	64	57	76.2	7064

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.4	1.7	8.6	40.2	49.0	88	1621
06&09	.0	.8	2.5	17.7	52.0	27.1	85	1626
12&15	.0	.3	.8	8.6	38.9	51.3	88	1677
18&21	.0	.4	.5	6.8	31.1	61.1	90	1641
TOT	0	31	90	684	2662	3098	88	6565

APRIL

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1904-1971

AREA 0001 TONKIN GULF
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	*	*	*	*	5	.0	.1
11/13	.0	.0	.0	.0	*	.2	.1	.1	*	32	*	.4
9/10	.0	.0	.0	*	.2	.2	.3	.2	*	63	.1	.8
7/8	.0	.0	.0	.1	.3	.7	.8	.2	*	152	.2	2.0
6	.0	.0	.0	.2	.4	1.0	.6	.1	*	156	.2	2.1
5	.0	.0	*	.4	.8	2.5	1.0	.1	*	338	.3	4.5
4	.0	.0	.1	.4	1.4	3.3	1.0	.1	.0	445	.5	5.9
3	.0	.0	.2	.4	2.6	4.3	1.5	.1	.0	632	.6	8.5
2	.0	*	.5	.9	3.5	5.1	1.5	.1	.0	804	.7	10.9
1	.0	*	.4	.7	5.0	6.2	1.8	.1	.0	981	.8	13.3
0	.0	.1	.4	1.1	5.3	5.9	1.1	*	.0	972	.8	13.2
-1	.0	.0	.3	1.1	4.2	4.5	.7	*	.0	751	.4	10.4
-2	.0	.1	.2	1.6	3.0	2.2	.3	.0	.0	520	.4	7.1
-3	.0	*	.2	1.3	1.9	1.8	.1	*	.0	374	.3	5.1
-4	.0	*	.3	1.2	1.3	.4	.1	.0	.0	241	.1	3.3
-5	.0	.1	.3	1.1	1.0	.1	.1	.0	.0	186	.1	2.6
-6	*	*	.3	.5	.5	.1	*	.0	.0	100	*	1.4
-7/-8	*	.1	.5	.6	.3	.2	.0	.0	.0	118	*	1.7
-9/-10	.0	*	.3	.2	*	*	.0	.0	.0	38	*	.5
-11/-13	*	.1	.1	.0	*	.0	.0	.0	.0	19	*	.3
-14/-16	*	.1	*	.0	.0	.0	.0	.0	.0	13	.0	.2
TOTAL										6940		
PCT	.1	.8	4.3	11.8	31.9	38.6	11.1	1.3	.1	100.0	5.6	94.4

PERIOD: (OVER-ALL) 1963-1971

APRIL

TABLE 18

AREA 0001 TONKIN GULF
18.3N 107.6E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.1	*	.0	.0	.0	1.4
1-2	.3	3.3	2.2	.0	.0	.0	5.7
3-4	.0	.7	2.4	.5	.0	.0	3.6
5-6	.0	.1	.5	.3	.0	.0	.8
7	.0	.0	.5	.3	*	.0	.8
8-9	.0	.0	*	.1	.0	.0	.1
10-11	.0	.0	*	.1	.0	.0	.2
12	.0	.0	.0	*	.1	.0	.1
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.1	.0	.0	.1
20-22	.0	.0	.0	*	.0	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	5.2	5.6	1.6	.1	.0	13.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.3	.1	.0	.0	.0	1.5
1-2	.3	4.0	2.6	.0	.0	.0	6.9
3-4	*	.6	2.5	.3	.0	.0	3.4
5-6	.0	*	.7	.1	.0	.0	.8
7	.0	.0	.4	.2	*	.0	.6
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	*	*	.0	.1
12	.0	.0	.0	.0	*	.0	*
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	*	.0	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	5.9	6.3	.7	.1	.0	13.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2	1.9	*	.0	.0	.0	2.2
1-2	4	5.3	4.8	.0	.0	0	10.5
3-4	*	1.4	2.7	.2	.0	.0	4.4
5-6	0	*	.1	*	.0	.0	.2
7	.0	*	*	.0	.0	.0	.1
8-9	0	0	*	.0	.0	.0	*
10-11	0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-15	.0	.0	.0	.0	.0	.0	.0
17-19	0	.0	.0	.0	.0	.0	.0
20-22	0	0	.0	.0	.0	.0	.0
23-25	0	0	.0	.0	.0	.0	.0
26-32	0	0	.0	.0	0	.0	.0
33-40	0	.0	.0	.0	.0	0	.0
41-48	0	0	.0	.0	.0	.0	.0
49-60	0	0	.0	.0	.0	.0	.0
61-70	0	.0	.0	0	0	.0	0
71-86	0	0	0	.0	.0	0	.0
87+	0	0	0	0	0	.0	.0
TOT PCT	6	8.8	7.7	2	.3	.0	17.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	2.0	.1	.0	.0	.0	2.4
1-2	.4	7.1	11.1	.0	.0	.0	18.6
3-4	.1	1.9	11.6	1.3	.0	.0	14.9
5-6	.0	.1	.9	.4	.0	.0	1.4
7	.0	*	.5	.2	.0	.0	.7
8-9	.0	.0	.1	*	.0	.0	.1
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-15	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	11.1	24.2	1.9	.0	.0	38.0

PERIOD: (OVER-ALL) 1963-1971

APRIL

TABLE 18

AREA 0001 TONKIN GULF
18.3N 107.8E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.0	*	.0	.0	.0	1.2
1-2	.2	2.3	2.2	.0	.0	.0	4.7
3-4	*	.6	2.5	.2	.0	.0	3.3
5-6	.0	.1	.2	.0	.0	.0	.2
7	.0	.0	.1	*	.0	.0	.1
8-9	.0	.0	.0	*	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.9	5.0	.2	.0	.0	9.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.4
1-2	*	.5	.1	.0	.0	.0	.6
3-4	*	.1	.1	*	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	.9	.2	*	.0	.0	1.2

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	0	.4	.0	.0	.0	.0	.4
1-2	1	.7	.1	.0	.0	.0	1.0
3-4	0	.1	.1	*	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	0	0	.0	.0	.0	.0	.0
12	.0	0	.0	.0	.0	.0	.0
13-16	0	0	.0	.0	.0	.0	.0
17-19	.0	0	.0	.0	0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	0	0	0	.0	.0	.0	.0
26-32	0	.0	.0	.0	.0	.0	.0
33-40	0	.0	0	.0	.0	.0	.0
41-48	0	.0	.0	0	.0	.0	.0
49-60	0	.0	.0	.0	.0	.0	.0
61-70	0	.0	.0	.0	0	.0	.0
71-86	0	.0	0	0	.0	.0	.0
87+	0	0	.0	.0	0	.0	.0
TOT PCT	1	1.2	2	*	.0	.0	1.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	.0	.0	.0	.0	.6
1-2	.2	1.6	1.1	.0	.0	.0	2.9
3-4	*	.4	.8	*	.0	.0	1.3
5-6	.0	.0	.1	*	.0	.0	.1
7	.0	.0	1	*	.0	.0	.2
8-9	0	.0	*	*	.0	.0	*
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.6	2.0	.1	.0	.0	5.2

APRIL

PERIOD: (OVER-ALL) 1963-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.2	8.6	.2	.0	.0	.0	11.0	
1-2	1.9	24.7	24.2	.0	.0	.0	50.8	
3-4	.2	5.8	22.7	2.6	.0	.0	31.3	
5-6	.0	.3	2.4	.8	.0	.0	3.5	
7	.0	.1	1.6	.7	*	.0	2.4	
8-9	.0	.0	.1	.3	.0	.0	.4	
10-11	.0	.0	*	.2	*	.0	.3	
12	.0	.0	.0	*	.1	.0	.1	
13-16	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	*	.0	.0	*	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								4764
TOT PCT	4.2	39.5	51.3	4.8	.2	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.1	35.3	31.8	3.7	1.6	.2	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4051	3
6-7	.0	1.1	4.8	1.2	1.3	.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	484	4
8-9	.0	.1	.7	.2	.6	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	101	5
10-11	0	1	.1	*	.1	.3	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	8
12-13	.0	.0	1	*	0	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	5
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	2	20
INDET	3.7	5.5	2.9	.2	.2	.1	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	667	2
TOTAL	362	2253	2158	201	199	52	27	7	7	4	2	0	0	0	0	0	0	0	0	5352	3
PCT	6.8	42.1	40.3	5.3	3.7	1.0	.5	1	.1	.1	*	0	.0	.0	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1870-1971

AREA 0001 TONKIN GULF
18.2N 107.6E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			PRECIPITATION TYPE								OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.3	.2	.1	.0	.0	.0	.0	.6		.1	*	.3		*	3.4	
NE	.2	.1	.1	.0	.0	.0	.0	.4		.2	*	.2		.0	4.8	
E	.3	.2	.0	.0	.0	.0	.0	.4		.3	*	.2		*	8.9	
SE	.3	.3	.1	.0	.0	.0	.0	.6		1.9	.1	.8		.0	35.7	
S	.1	.1	*	.0	.0	.0	.0	.3		1.3	.0	.3		.0	23.2	
SW	.1	*	.0	.0	.0	.0	.0	.1		.3	*	.1		*	7.8	
W	.1	*	*	.0	.0	.0	.0	.1		.1	.0	.1		.0	2.7	
NW	.3	.2	.1	.0	.0	.0	.0	.5		.1	*	.2		.0	2.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	*	*	.0	.0	.0	.0	.0	*		*	.0	.1		.0	.8	
TOT OBS	110	87	33	0	0	0	0		229	315	14	161		4	6479	7195
TOT PCT	1.5	1.2	.5	.0	.0	.0	.0	3.2		4.4	.2	2.2		.1	90.0	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			PRECIPITATION TYPE								OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	1.9	.9	.5	.0	.0	.0	.0	3.3		.1	.4	2.9		.0	93.3	
06&09	1.1	.7	.4	.0	.0	.0	.0	2.2		.0	.1	3.0		.2	94.5	
12&15	.8	.8	.2	.0	.0	.0	.0	1.9		8.4	.3	2.0		.0	87.8	
18&21	2.2	2.4	.7	.0	.0	.0	.0	5.3		9.0	.0	1.1		.1	84.9	
TOT	110	87	33	0	0	0	0		229	315	14	161		4	6484	7200
PCT	1.5	1.2	.5	.0	.0	.0	.0	3.2		4.4	.2	2.2		.1	90.1	

MAY

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1870-1971

AREA 0001 TONKIN GULF
18.2N 107.6E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.4	1.8	1.6	.5	.1	.0		4.4	11.9	3.9	4.4	6.3	6.2	4.7	4.1	2.4	3.4
NE	.3	2.9	2.2	.3	*	.0		5.7	10.7	5.7	5.8	5.7	8.1	6.4	5.6	4.1	4.8
E	.5	4.6	4.7	.2	.0	.0		10.0	10.8	9.6	10.4	11.4	13.2	12.6	6.6	7.7	7.5
SE	.7	10.0	27.0	1.3	*	.0		38.9	13.3	34.5	33.4	34.4	43.2	50.6	42.3	37.0	35.6
S	.4	7.4	16.4	.9	.0	0		25.1	12.8	26.3	22.1	22.7	18.0	17.5	29.2	34.2	29.6
SW	.2	2.8	4.9	.5	.0	.0		8.3	12.6	11.6	13.2	9.8	4.9	3.8	6.2	8.0	9.0
W	.2	1.9	1.0	.0	*	.0		3.1	9.1	4.1	5.3	3.9	2.1	1.6	2.1	2.3	3.9
NW	.2	1.8	1.4	.2	.0	.0		3.5	10.9	3.6	4.2	4.6	3.4	2.3	2.8	3.4	4.2
VAR	.0	0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0							1.0	.0	.7	1.3	1.1	.8	.4	1.1	.9	2.0
TOT OBS	275	2409	4297	277	6	0	7264		12.3	1171	635	1165	642	1158	640	1205	648
TOT PCT	3.8	33.2	59.2	3.8	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	1.2	2.1	.9	.2	.0		4.4	11.9	4.1	6.3	4.5	2.8
NE	1.5	3.2	.9	*	.0		5.7	10.7	5.7	6.5	6.1	4.4
E	2.1	6.6	1.4	.0	.0		10.0	10.8	9.9	12.1	10.5	7.6
SE	3.1	26.4	9.4	*	.0		38.9	13.3	34.1	37.5	47.7	36.5
S	2.1	17.2	5.2	*	.0		25.1	12.8	24.8	21.0	21.7	32.6
SW	1.0	5.3	1.9	*	.0		8.3	12.6	12.2	8.1	4.6	8.3
W	1.0	2.0	.1	*	.0		3.1	9.1	4.5	3.3	1.8	2.9
NW	.8	2.1	.6	*	.0		3.5	10.9	3.8	4.2	2.5	3.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.0						1.0	.0	.9	1.0	.7	1.3
TOT OBS	1007	4747	1485	25	0	7264		12.3	1806	1807	1798	1853
TOT PCT	13.9	65.3	20.4	.3	.0		100.0		100.0	100.0	100.0	100.0

MAY

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1870-1971

AREA 0001 TONKIN GULF
18.2N 107.6E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.9	3.7	34.9	57.7	2.8	.1	.0	11.9	100.0	1806
06&09	1.0	3.2	39.1	53.7	2.9	.2	.0	11.5	100.0	1807
12&15	.7	2.2	28.8	63.0	5.3	.1	.0	13.1	100.0	1798
18&21	1.3	2.3	30.0	62.2	4.3	.0	.0	12.8	100.0	1853
TOT	70	205	2409	4297	277	6	0	12.3		7264
PCT	1.0	2.8	33.2	59.2	3.8	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.3	.5	1.7	1.9		6.4
NE	.6	.6	2.2	1.9		5.9
E	2.0	1.8	4.0	1.9		5.1
SE	14.6	7.7	13.5	3.8		4.0
S	9.7	4.7	8.4	2.5		3.9
SW	3.3	1.5	2.5	1.0		3.9
W	.8	.4	1.1	.7		5.0
NW	3	3	1 1	1.9		6.4
VAR	.0	.0	.0	.0		.0
CALM	2	.1	.4	.1		5.1
TOT OBS	2197	1217	2423	1094	6931	4.4
TOT PCT	31.7	17 6	35.0	15.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM)4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
.0	.0	.1	.3	1.2	.4	.1	*	*	.2	1.9	
.0	*	.1	.3	1.1	.7	*	.1	.1	.2	2.6	
.0	.0	.1	.2	1.2	.9	.3	.2	.1	.4	6.3	
.0	*	.1	.5	2.2	1.6	.4	.3	.5	1.2	32.8	
.0	*	.1	.1	1.1	.9	.2	.3	.4	.7	21.5	
.0	.0	.0	*	.3	.4	.1	*	.1	.3	7.2	
.0	.0	*	.2	.4	.2	*	*	*	.1	2.1	
.0	*	*	.4	1.0	.3	.1	*	.1	*	1.5	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	*	.1	.1	*	.0	.0	*	.5	
0	4	34	153	605	383	77	62	87	218	5308	6931
.0	.1	.5	2.2	8.7	5.5	1.1	.9	1.3	3.1	76.6	100.0

MAY

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1870-1971

AREA 0001 TONKIN GULF
18.2N 107.6E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	3.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4
= OR >5000	4.0	5.3	5.3	5.3	5.3	5.3	5.3	5.3
= OR >3500	4.6	6.4	6.4	6.4	6.4	6.4	6.4	6.4
= OR >2000	8.6	11.8	11.9	11.9	11.9	11.9	11.9	11.9
= OR >1000	14.3	20.2	20.6	20.6	20.6	20.6	20.7	20.7
= OR >600	15.5	22.2	22.8	22.8	22.9	22.9	22.9	22.9
= OR >300	15.6	22.6	23.2	23.3	23.3	23.3	23.4	23.4
= OR >150	15.7	22.6	23.3	23.3	23.4	23.4	23.4	23.4
= OR > 0	15.7	22.6	23.3	23.3	23.4	23.4	23.4	23.4
TOTAL	1086	1568	1613	1616	1621	1621	1623	1623

TOTAL NUMBER OF OBS: 6930 PCT FREQ NH <5/8: 76.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
24.8	17.1	22.5	7.6	4.5	5.9	7.4	3.0	7.2	= 6950

MAY

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1870-1971

AREA 0001 TONKIN GULF
18.2N 107.6E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	NO PCP	*	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
	TOT %	*	.0	.0	*	.0	.0	.0	*	.0	.0	.1	
1/2<1	PCP	.1	*	.0	*	.0	*	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	*	.0	*	.0	*	.0	.0	.0	.0	.1	
1<2	PCP	*	*	.0	.0	.0	.0	.0	*	.0	.0	.1	
	NO PCP	*	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	TOT %	.1	*	.0	.0	.0	.0	.0	*	.0	.0	.1	
2<5	PCP	.2	.1	.1	.1	.1	*	*	*	.0	*	.6	
	NO PCP	.1	.1	.1	.1	*	*	*	*	.0	.0	.4	
	TOT %	.2	.1	.2	.1	.1	.1	.1	.1	.0	*	.9	
5<10	PCP	.2	.2	.2	.3	.1	*	*	.3	.0	*	1.5	
	NO PCP	1.1	1.3	1.9	5.8	3.1	.8	.4	.8	.0	.3	15.5	
	TOT %	1.3	1.5	2.1	6.2	3.2	.8	.5	1.1	.0	.3	16.9	
10+	PCP	.1	.1	.1	.2	.1	.1	*	.1	.0	.0	.9	
	NO PCP	2.6	3.9	7.6	32.5	21.7	7.4	2.4	2.3	.0	.6	80.9	
	TOT %	2.7	4.0	7.7	32.7	21.8	7.4	2.5	2.4	.0	.6	81.8	
	TOT OBS												7193
	TOT PCT	4.4	5.6	10.0	39.1	25.1	8.3	3.0	3.6	.0	.9	100.0	

MAY

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1870-1971

AREA 0001 TONKIN GULF
18.2N 107.6E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	*	.0	*	*	
<1/2	4-10	.0	.0	.0	.1	.0	.0	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	*	.0	.0	.0	.0	.0	.0	.0	.0		*	
	TOT %	*	.0	.0	.1	.0	.0	.0	*	.0	*	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2 <1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	*	.0	.0	*	.0	*	.0	.0	.0		*	
	22+	*	*	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.1	*	.0	*	.0	*	.0	.0	.0	.0	.1	
	0-3	*	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
1 <2	4-10	.0	.0	.0	.0	.0	.0	*	*	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	*	*	.0	.0	.0	.0	.0	*	.0		.1	
	TOT %	.1	*	.0	.0	.0	.0	*	*	.0	.0	.1	
	0-3	.0	*	*	*	*	*	*	*	.0	*	.1	
2 <5	4-10	*	.1	.1	.1	.0	*	*	*	.0		.4	
	11-21	1	*	.1	.1	.1	*	*	.1	.0		.5	
	22+	.1	*	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.2	.2	.2	.2	.1	.1	.1	.1	.0	*	1.1	
	0-3	.1	.1	.1	.1	*	*	*	*	.0	.3	.8	
5 <10	4-10	.5	.8	1.0	2.2	1.4	.5	.3	.5	.0		7.1	
	11-21	.6	.5	.9	3.6	1.7	.3	.2	.5	.0		8.3	
	22+	.1	.1	*	.2	.2	.0	.0	.1	.0		.7	
	TOT %	1.3	1.5	2.1	6.1	3.2	.8	.5	1.1	.0	.3	16.9	
	0-3	.3	.2	.3	.5	.4	.2	.2	.2	.0	.7	2.9	
10+	4-10	1.3	2.1	3.5	7.6	6.0	2.3	1.4	1.2	.0		25.5	
	11-21	.9	1.6	3.7	23.4	14.7	4.5	.8	.9	.0		50.4	
	22+	.2	.1	.2	1.1	.7	.5	*	.1	.0		2.9	
	TOT %	2.7	4.0	7.7	32.6	21.8	7.4	2.5	2.4	.0	.7	81.7	
	TOT OBS												7229
	TOT PCT	4.4	5.7	10.0	39.0	25.1	8.3	3.0	3.6	.0	1.0	100.0	

MAY

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1870-1971

AREA 0001 TONKIN GULF
18.2N 107.6E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.1	.6	2.5	9.4	6.3	1.3	1.2	1.6	3.4	26.4	73.6	1736
06&09	.0	.1	.5	2.5	7.3	4.8	.9	.9	1.4	2.5	20.8	79.2	1732
12&15	.0	.0	.3	1.7	7.7	4.8	1.1	.8	.9	3.3	20.7	79.3	1721
18&21	.0	.1	.5	2.1	10.4	6.2	1.2	.7	1.1	3.3	25.7	74.3	1749
TOT	0	4	34	153	605	384	78	62	87	218	1625	5313	6938
PCT	.0	.1	.5	2.2	8.7	5.5	1.1	.9	1.3	3.1	23.4	76.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	1	.1	.1	.8	17.0	82.0	1736
06&09	.0	.2	.2	.8	14.9	84.0	1732
12&15	.1	.1	.0	.4	16.2	83.3	1717
18&21	.0	.1	.0	1.4	18.7	79.8	1747
TOT	2	7	4	59	1157	5703	6932
PCT	*	1	.1	.9	16.7	82.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.1	.8	4.0	22.8	73.3	1736
06&09	.0	.6	3.7	17.6	78.8	1732
12&15	.0	.5	2.4	18.4	79.2	1717
18&21	.1	.7	3.8	22.0	74.2	1747
TOT	2	45	240	1400	5292	6932
PCT	*	.6	3.5	20.2	76.3	100.0

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1870-1971

AREA 0001 TONKIN GULF
18.2N 107.6E

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	*	.1	.0	*	.0	7	.1
90/94	.0	.0	*	.1	.7	.6	.1	.1	115	1.7
85/89	.0	.0	.0	.2	1.1	8.6	8.4	1.0	1322	19.4
80/84	.0	.0	.0	.2	1.1	6.0	38.0	18.1	4326	63.3
75/79	.0	.0	.0	*	.8	1.4	4.1	0.6	1014	14.8
70/74	.0	.0	.0	.0	.0	*	.1	.6	45	.7
TOTAL	0	0	1	36	253	1139	3466	1934	6829	100.0
PCT	.0	.0	*	.5	3.7	16.7	50.8	28.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	*	*	*	*	*	.0	.0	.0
.1	.1	.1	.4	.4	.4	.1	.1	.0	*
.3	.4	1.3	5.1	6.4	4.6	.8	.3	.0	.1
2.1	3.2	6.5	29.0	16.4	2.7	1.4	1.6	.0	.5
1.7	1.4	1.7	5.3	2.1	.6	.6	1.3	.0	.2
.2	.2	.1	*	*	.0	*	.1	.0	*
4.4	5.2	9.7	39.8	25.4	8.4	2.9	3.4	.0	.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	94	89	87	82	77	74	70	82.1	1804
06&09	95	93	90	83	78	75	70	83.6	1803
12&15	94	88	87	82	77	75	71	82.0	1800
18&21	89	87	85	81	77	75	71	81.1	1652
TOT	95	91	87	82	77	75	70	82.2	7259

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.1	3.8	16.8	52.1	27.3	85	1702
06&09	.0	1.5	6.7	27.2	51.5	13.0	81	1692
12&15	.0	.5	2.7	12.7	54.2	29.9	86	1698
18&21	.0	.1	1.6	10.2	45.4	42.7	87	1739
TOT	0	37	253	1139	3468	1934	85	6831

MAY

PERIOD: (PRIMARY) 1967-1971
(OVER-ALL) 1870-1971

AREA 0001 TONKIN GULF
18.2N 107.6E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	*	*	*	3	.0	*
11/13	.0	.0	.0	.1	.2	.1	.2	32	.0	.4
9/10	.0	.0	*	.1	.3	.5	.1	73	.0	1.0
7/8	.0	.0	.1	.5	.6	.8	.1	144	.0	2.0
6	.0	.0	.1	.4	1.0	.4	*	137	.0	1.9
5	.0	*	.2	1.1	2.0	.4	.0	282	0	3.7
4	.0	.1	.7	2.5	2.1	.1	.0	389	.0	5.4
3	*	.2	1.0	4.0	2.9	.1	.0	584	*	8.1
2	*	.3	2.3	6.6	2.9	*	.0	869	*	12.1
1	*	.1	3.0	8.9	3.2	*	.0	1097	*	15.3
0	*	.3	4.3	8.9	1.2	*	.0	1062	*	14.8
-1	*	.2	3.1	7.5	1.2	.0	.0	859	*	12.0
-2	*	.2	3.6	4.4	.2	.0	.0	607	*	8.5
-3	.0	.2	2.5	2.8	.1	.0	.0	403	*	5.6
-4	*	.2	1.8	1.5	*	.0	.0	257	.0	3.6
-5	.0	.2	1.5	.7	.1	.0	.0	170	.0	2.4
-6	*	.3	.8	.3	*	.0	.0	106	*	1.5
-7/-8	*	3	.5	.2	.0	.0	.0	80	.0	1.1
-9/-10	.0	.1	.1	*	.0	.0	.0	18	.0	.3
-11/-13	.0	*	*	.0	.0	.0	.0	3	.0	*
TOTAL								7155		
PCT	.3	2.8	25.8	50.4	18.1	2.3	.3	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1971

MAY

AREA 0001 TONKIN GULF
18.2N 107.6E

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.0	.0	.0	.0	.4
1-2	.1	1.0	.4	.0	.0	.0	1.6
3-4	.0	.4	.9	.3	.0	.0	1.5
5-6	.0	*	.2	.1	*	.0	.3
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	*	.1	.0	.0	.1
10-11	.0	.0	*	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.7	1.7	.5	*	.0	4.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.5	.0	.0	.0	.0	.6
1-2	.1	1.5	1.0	.0	.0	.0	2.5
3-4	*	.4	.8	.1	.0	.0	1.3
5-6	.0	.1	.2	*	.0	.0	.3
7	.0	*	*	.0	.0	.0	.1
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.4	2.0	.3	.0	.0	4.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.9	.1	.0	.0	.0	1.2
1-2	.1	2.9	2.9	.0	.0	.0	5.9
3-4	*	.5	1.7	.1	.0	.0	2.3
5-6	.0	*	.3	.0	.0	.0	.3
7	.0	0	.1	*	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	0	.0	.0	.0	.0	.0	.0
26-32	0	.0	.0	.0	.0	0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	0	.0	.0	0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	0	.0	.0	.0
87+	0	0	0	.0	.0	.0	.0
TOT PCT	3	4.3	5.0	.1	.0	.0	9.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.3	*	.0	.0	.0	1.5
1-2	.3	6.3	13.2	.0	.0	.0	19.8
3-4	*	1.9	13.9	1.1	.0	.0	16.8
5-6	.0	.1	1.2	.1	.0	.0	1.4
7	.0	*	.6	.2	.0	.0	.9
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	9.6	29.0	1.4	.0	.0	40.5

PERIOD: (OVER-ALL) 1963-1971

MAY

TABLE 18

AREA 0001 TONKIN GULF
18.2N 107.6E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.1	.1	.0	.0	.0	1.3
1-2	.1	5.0	9.3	.0	.0	.0	14.5
3-4	.1	1.2	7.1	.5	.0	.0	8.9
5-6	.0	*	.4	.1	.0	.0	.5
7	.0	.0	.1	.1	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	0	.0	.0	.0	0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	0	.0	.0	.0	.0	.0	.0
TOT PCT	3	7.4	17.0	.7	.0	.0	25.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	*	.0	.0	.0	.7
1-2	.1	1.9	3.3	.0	.0	.0	5.3
3-4	*	.2	2.0	.3	.0	.0	2.5
5-6	.0	*	.1	.1	.0	.0	.2
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.7	5.5	.4	.0	.0	8.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1	2	*	.0	.0	.0	.3
1-2	1	1.3	.6	.0	.0	0	1.9
3-4	0	2	.2	0	.0	.0	.4
5-6	0	*	.0	.0	.0	*	
7	0	0	0	.0	.0	.0	.0
8-9	0	0	0	.0	.0	.0	.0
10-11	0	0	.0	0	0	.0	.0
12	0	0	0	.0	.0	.0	.0
13-16	0	0	0	.0	.0	0	.0
17-19	0	0	.0	.0	.0	0	.0
20-22	0	0	0	.0	0	.0	.0
23-25	0	0	0	0	.0	.0	.0
26-32	0	0	0	0	0	0	0
33-40	0	0	0	.0	0	0	0
41-48	0	0	0	0	0	0	0
49-60	0	0	0	0	0	0	0
61-70	0	0	0	0	0	0	0
71-86	0	0	0	0	0	0	0
87+	0	0	0	0	0	0	0
TOT PCT	1	1.7	8	0	0	0	2.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.4	.0	.0	.0	.0	.5
1-2	.1	.8	.4	.0	.0	.0	1.3
3-4	*	.4	.7	.1	.0	.0	1.2
5-6	.0	*	*	*	.0	.0	.1
7	.0	*	.1	*	.0	.0	.1
8-9	.0	.0	*	*	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	0	0	0	.0	.0	.0	.0
71-86	.0	.0	.0	0	.0	.0	.0
87+	0	.0	0	0	.0	.0	.0
TOT PCT	2	1.7	1.2	.2	.0	.0	3.3

PERIOD: (OVER-ALL) 1963-1971

AREA 0001 TONKIN GULF
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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.5	5.3	.2	.0	.0	.0	7.1	
1-2	1.1	20.7	31.0	.0	.0	.0	52.8	
3-4	.1	5.1	27.3	2.5	.0	.0	34.9	
5-6	.0	.3	2.4	.5	*	.0	3.2	
7	.0	.1	1.2	.4	.0	.0	1.7	
8-9	.0	.0	.1	.2	.0	.0	.2	
10-11	.0	.0	*	.1	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.7	31.4	62.2	3.6	*	.0	100.0	5210

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.2	40.2	35.9	3.3	1.3	.1	.1	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	4607	3
6-7	0	1.4	4.2	1.7	.9	.3	.1	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	484	4
8-9	0	.1	.2	.2	.3	.1	.1	*	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	50	6
10-11	0	.0	0	1	.2	1	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	7
12-13	0	0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
>13	0	0	0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	1.6	3.6	2.3	1	2	*	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	437	2
TOTAL	159	2535	2390	308	165	34	11	1	1	1	0	0	0	0	0	0	0	0	0	5605	3
PCT	2.8	45.2	42.6	5.5	2.9	.6	.2	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1891-1971

AREA 0001 TONKIN GULF
18.3N 107.5E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT PCPN AT OB	FREQ TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.2	.2	*	.0	.0	.0	.0	.4			.1	.0	*	.0		3.7	
NE	*	*	*	.0	.0	.0	.0	.1			.1	.0	*	.0		2.0	
E	*	.1	.0	.0	.0	.0	.0	.1			.4	.0	*	.0		3.4	
SE	*	*	*	.0	.0	.0	.0	.1			2.3	.0	.1	.0		21.7	
S	.1	.1	*	.0	.0	.0	.0	.2			2.6	.0	.1	.0		31.0	
SW	.2	.1	.1	.0	.0	.0	.0	.3			.6	.0	.3	.0		17.1	
W	.2	.2	*	.0	.0	.0	.0	.5			.2	.0	*	.0		5.8	
NW	.2	.3	.1	.0	.0	.0	.0	.5			.2	.0	.1	.0		5.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0		.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0			.1	.0	*	.0		.9	
TOT OBS	63	67	18	0	0	0	0			147	459	0	50	0		6289	6940
TOT PCT	.9	1.0	.3	.0	.0	.0	.0	2.1			6.6	.0	.7	.0		90.6	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT PCPN AT OB	FREQ TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	1.5	1.1	.4	.0	.0	.0	.0	3.0			.3	.0	.5	.0		96.4	
06&09	1.0	.8	3	0	0	.0	.0	2.1			.1	.0	.7	.0		97.2	
12&15	5	8	1	0	.0	.0	.0	1.3			12.4	.0	1.0	.0		85.4	
18&21	7	1.2	3	0	0	0	.0	2.2			13.7	.0	.7	.0		83.4	
TOT	64	67	18	0	0	0	0			148	459	0	50	0		6291	6943
PCT	9	1.0	3	0	.0	.0	.0	2.1			6.6	.0	.7	.0		90.6	

JUNE

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1891-1971

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AREA 0001 TONKIN GULF
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PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.1	2.1	1.8	.2	.0	.0		4.2	10.9	2.9	3.6	5.7	6.2	6.1	2.7	3.0	2.5
NE	.2	1.3	.6	*	.0	.0		2.2	9.0	1.5	1.6	2.5	3.7	3.2	2.3	1.8	.6
E	.3	1.9	1.6	*	*	.0		3.9	9.8	1.4	1.6	3.0	9.8	7.7	4.7	2.6	1.9
SE	.6	7.0	15.2	1.3	*	.0		24.2	13.3	14.6	16.0	17.1	27.2	40.0	37.2	23.8	19.2
S	.6	11.0	20.7	1.7	.0	.0		33.9	13.0	37.4	30.8	28.9	22.0	23.0	35.1	47.0	46.0
SW	.4	6.5	10.7	.6	0	.0		18.3	12.3	25.4	28.4	24.2	16.4	10.4	9.9	13.1	18.7
W	.3	3.4	2.6	.1	.0	.0		6.5	10.3	8.4	9.7	10.0	6.5	3.6	3.6	4.3	5.7
NW	.3	2.9	2.3	.3	.0	.0		5.8	10.6	7.3	7.3	7.4	6.2	5.5	3.1	3.8	4.9
VAR	.0	.0	.0	0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0							1.0	.0								
TOT OBS	272	2524	3880	96	1	0	6983		12.2	1.1	1.0	1.1	2.0	.5	1.4	.6	.5
TOT PCT	3.9	36.1	55.6		*	.0		100.0		1169	581	1142	605	1145	580	1171	590
										100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	.8	2.8		*	.0		4.2	10.9	3.2	5.9	5.0	2.8
NE	.7	1.3	*	*	.0		2.2	9.0	1.5	2.9	2.9	1.4
E	1.1	2.5		*	.0		3.9	9.8	1.5	5.4	6.7	2.3
SE	2.4	15.2	.5	*	.0		24.2	13.3	15.0	20.6	39.0	22.2
S	3.1	22.4	8.4	*	.0		33.9	13.0	35.2	26.5	27.1	46.7
SW	2.6	12.0	3.7	*	.0		18.3	12.3	26.4	21.5	10.2	15.0
W	1.6	4.2	.7	*	.0		6.5	10.3	8.8	8.8	3.6	4.8
NW	1.4	3.6	.7	*	0		5.8	10.6	7.3	7.0	4.7	4.2
VAR	0	0	0	0	.0		.0	.0	.0	.0	.0	.0
CALM	1.0						1.0	0	1.1	1.4	.8	.6
TOT OBS	1031	4464	1476	12	0	6983		12.2	1750	1747	1725	1761
TOT PCT	14.8	63.9	21.1	2	0		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1966-1971
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AREA 0001 TONKIN GULF
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.1	3.0	36.1	56.0	3.8	.0	.0	12.0	100.0	1750
06&09	1.4	3.7	42.6	50.3	1.8	.1	.0	11.0	100.0	1747
12&15	.8	2.6	33.9	57.7	5.0	.0	.0	12.6	100.0	1725
18&21	.6	2.3	32.0	58.2	6.9	.0	.0	13.1	100.0	1761
TOT	68	204	2524	3880	306	1	0	12.2		6983
PCT	1.0	2.9	36.1	55.6	4.4	*	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.4	.3	2.3	1.3		6.2
NE	.3	.3	1.0	.5		5.6
E	.7	.7	1.7	.7		5.1
SE	5.7	4.9	11.1	2.8		4.7
S	7.5	6.4	14.5	5.5		4.9
SW	1.8	2.1	9.0	5.4		5.9
W	.4	.6	2.6	2.7		6.4
NW	.5	.5	2.3	2.6		6.4
VAR	.0	.0	.0	.0		.0
CALM	.2	.1	.5	.1		5.1
TOT OBS	1155	1061	2994	1443	6653	5.3
TOT PCT	17.4	15.9	45.0	21.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH >4/8) AND OCCURRENCE OF MH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MH <5/8 ANY HGT	TOTAL OBS
N	.0	*	.0	.1	.7	.6	.1	.1	.1	.1	2.3	
NE	.0	.0	.0	*	.3	.2	*	.1	*	.1	1.3	
E	.0	.0	.0	*	.2	.2	*	.1	*	.1	3.2	
SE	.0	.0	.0	.1	.6	1.0	.1	.2	.4	.7	21.4	
S	*	.0	.0	.1	.9	1.6	.3	.6	.9	2.6	26.7	
SW	*	.0	.0	.1	.9	1.5	.3	.6	.7	2.1	12.3	
W	.0	.0	*	.1	.6	.8	.1	.3	.3	.4	3.8	
NW	*	.0	.0	.3	1.0	.7	.1	.1	.1	.2	3.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	*	.1	.0	*	.0	.1	.7	
TOT OBS	2	1	1	55	356	452	66	127	168	426	4999	6653
TOT PCT	*	*	*	.8	5.4	6.8	1.0	1.9	2.5	6.4	75.1	100.0

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PERIOD: (PRIMARY) 1966-1971
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AREA 0001 TONKIN GULF
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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	8.3	8.9	8.9	8.9	8.9	8.9	8.9	8.9
= OR >5000	9.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
= OR >3500	10.4	11.8	11.8	11.8	11.8	11.8	11.8	11.8
= OR >2000	16.0	18.6	18.6	18.6	18.6	18.6	18.6	18.6
= OR >1000	20.2	23.8	24.0	24.0	24.0	24.0	24.0	24.0
= OR >600	20.7	24.6	24.8	24.8	24.8	24.8	24.8	24.8
= OR >300	20.7	24.6	24.8	24.8	24.8	24.8	24.8	24.8
= OR >150	20.7	24.6	24.8	24.8	24.8	24.8	24.8	24.8
= OR > 0	20.7	24.7	24.8	24.8	24.9	24.9	24.9	24.9
TOTAL	1379	1640	1651	1652	1654	1654	1654	1654

TOTAL NUMBER OF OBS: 6653

PCT FREQ NH <5/8: 75.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
16.7	20.5	24.5	8.5	4.9	6.3	9.6	3.9	5.2	*	6669

JUNE

PERIOD: (PRIMARY) 1966-1971
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	*	*	.0	.0	*	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	*	*	.0	.0	*	
	PCP	.0	.0	*	*	.0	*	.0	*	.0	.0	*	
1<2	NO PCP	.0	*	.0	.0	.0	.0	.0	*	.0	.0	*	
	TOT %	.0	*	*	*	.0	*	.0	*	.0	.0	.1	
	PCP	*	*	.0	.0	.0	*	*	*	.0	.0	.1	
2<5	NO PCP	*	.0	.0	*	*	*	*	.0	.0	.0	.1	
	TOT %	.1	*	.0	*	*	*	*	*	.0	.0	.2	
	PCP	.2	*	.1	*	.1	.1	.2	.3	.0	.0	1.1	
5<10	NO PCP	.7	.5	.3	1.6	2.7	1.7	.7	.8	.0	.2	9.2	
	TOT %	.9	.6	.4	1.6	2.8	1.8	.9	1.1	.0	.2	10.2	
	PCP	.1	*	*	*	.1	.2	.2	.2	.0	.0	.9	
10+	NO PCP	3.1	1.5	3.5	22.6	31.0	16.3	5.3	4.5	.0	.8	88.6	
	TOT %	3.2	1.6	3.6	22.6	31.0	16.5	5.5	4.7	.0	.8	89.5	
	TOT OBS												6940
	TOT PCT	4.2	2.2	3.9	24.2	33.9	18.3	6.5	5.8	.0	1.0	100.0	

JUNE

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1891-1971

AREA 0001 TONKIN GULF
18.3N 107.5E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	*	.0	.0		*	
	TOT %	.0	.0	.0	.0	.0	.0	*	*	.0	.0	*	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	*	*	*	*	.0	.0	*	.0		.1	
	11-21	.0	.0	.0	.0	.0	*	.0	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	*	*	*	*	*	.0	*	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.1	*	*	.0	.0	*	*	*	.0		.1	
	11-21	*	*	.0	*	*	*	*	*	.0		.1	
	22+	.0	.0	.0	*	*	.0	.0	.0	.0		*	
	TOT %	.1	*	*	*	*	*	*	*	.0	.0	.2	
	0-3	.1	*	*	*	.1	*	*	.1	.0	.2	.6	
5<10	4-10	.4	.3	.2	.6	1.1	.8	.5	.5	.0		4.3	
	11-21	.4	.2	.2	.8	1.4	.9	.4	.4	.0		4.7	
	22+	.1	*	*	.1	.2	*	.0	.2	.0		.6	
	TOT %	9	.6	.4	1.6	2.8	1.8	.9	1.1	.0	.2	10.2	
	0-3	.1	.2	.3	.6	.4	.4	.3	.2	.0	.8	3.3	
10+	4-10	1.7	1.0	1.7	6.3	9.8	5.7	2.9	2.5	.0		31.6	
	11-21	1.4	.4	1.5	14.5	19.3	9.8	2.2	1.8	.0		50.8	
	22+	.1	*	*	1.3	1.5	.6	.1	.2	.0		3.7	
	TOT %	3.2	1.6	3.6	22.6	31.0	16.5	5.5	4.7	0	.8	89.4	
	TOT OBS												6956
	TOT PCT	4.2	2.2	3.9	24.2	33.9	18.3	6.5	5.8	.0	1.0	100.0	

JUNE

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1891-1971

AREA 0001 TONKIN GULF
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.1	1.2	5.6	7.2	1.0	2.2	3.3	7.3	27.8	72.2	1689
06&09	.0	.1	.0	.7	6.5	6.4	1.3	1.2	2.2	4.6	22.8	77.2	1668
12&15	.1	.0	.0	.5	4.3	6.6	.8	2.3	2.7	7.5	24.9	75.1	1641
18&21	.1	.0	.0	.9	5.0	7.0	.9	1.9	1.9	6.1	23.8	76.2	1667
TOT	2	1	1	55	356	452	66	127	168	426	1654	501	6665
PCT	*	*	*	.8	5.3	6.8	1.0	1.9	2.5	6.4	24.8	75.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	0	.1	.1	.2	9.5	90.2	1684
06&09	.0	.0	.0	.2	9.6	90.2	1665
12&15	0	1	.0	.2	9.4	90.4	1638
18&21	0	.0	.1	.2	11.3	88 4	1667
TOT	0	2	2	12	663	5975	6654
PCT	0	*	*	2	10 0	89 8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.1	1.4	26.5	72.1	1684
06&09	.0	.1	.9	22.0	77.1	1665
12&15	.1	.1	.8	24.1	75.1	1638
18&21	.1	.1	1.1	22.7	76.2	1667
TOT	3	6	71	1585	4998	6654
PCT	*	.1	1.1	23.8	75.1	100.0

PERIOD: (PRIMARY) 1966-1971
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AREA 0001 TONKIN GULF
18.3N 107.5E

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.1	.1	*	*	14	.2
90/94	.0	.0	*	.1	1.4	1.6	.6	.1	248	3.8
85/89	.0	.0	.0	.2	2.4	23.2	21.6	2.6	3283	50.0
80/84	.0	.0	*	.4	1.4	9.4	27.2	5.5	2886	44.0
75/79	.0	.0	.0	*	.1	.3	.7	.9	131	2.0
70/74	.0	.0	.0	.0	.0	*	*	.0	2	*
TOTAL	0	0	3	47	353	2264	3296	601	6564	100.0
PCT	.0	.0	*	.7	5.4	34.5	50.2	9.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	*	*	.1	.1	*	.0	.0	.0
.1	.1	.2	.7	1.3	1.0	.3	.1	.0	*
.8	.7	1.9	13.5	19.2	10.0	2.3	1.4	.0	.4
2.9	1.3	1.9	10.2	13.0	7.0	3.4	3.7	.0	.5
.5	.1	.0	.1	.1	.2	.3	.7	.0	.0
.0	.0	.0	.0	.0	.0	*	*	.0	.0
4.3	2.1	3.9	24.5	33.7	18.2	6.3	5.9	.0	.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	95	90	88	85	80	77	74	84.4	1750
06&09	96	94	91	86	81	79	73	86.0	1744
12&15	95	90	88	85	81	79	70	84.5	1723
18&21	92	88	86	84	80	77	72	83.6	1762
TOT	96	92	89	85	81	78	70	84.6	6979

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.3	4.3	36.6	49.8	9.0	81	1658
06&09	.0	1.5	13.3	53.3	28.5	3.4	76	1629
12&15	.0	.7	2.8	30.2	57.6	8.7	81	1625
18&21	.0	.5	1.2	18.1	64.7	15.5	84	1652
TOT	0	50	353	2264	3296	601	81	6564

JUNE

PERIOD: (PRIMARY) 1966-1971
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AREA 0001 TONKIN GULF
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.0	.0	.0	.1	8	.0	.1
9/10	.0	.0	.0	.0	.1	.3	.3	46	.0	.7
7/8	.0	.0	.0	.0	.3	1.1	.1	107	.0	1.5
6	.0	.0	.0	.1	.5	.8	*	98	.0	1.4
5	.0	.0	.0	.1	1.4	.9	.1	165	.0	2.4
4	.0	.0	.0	.5	2.5	.8	*	265	.0	3.8
3	.0	.0	.0	1.0	4.5	.7	.0	431	.0	6.2
2	.0	.0	*	2.6	6.4	.3	.0	646	.0	9.3
1	.0	.0	*	3.8	8.6	.1	0	874	.0	12.6
0	.0	.0	.2	6.8	8.3	.1	.0	1071	.0	15.5
-1	.0	.0	.2	6.3	8.5	.1	.0	1047	.0	15.1
-2	.0	*	.7	7.5	3.0	*	0	775	.0	11.2
-3	.0	.0	.6	5.8	2.5	.0	.0	615	.0	8.9
-4	.0	*	.8	3.4	.4	.0	.0	319	.0	4.6
-5	.0	*	.6	2.2	.4	.0	.0	226	.0	3.3
-6	*	.1	.5	1.0	.1	.0	.0	117	.0	1.7
-7/-8	*	.1	.4	.5	*	.0	.0	76	.0	1.1
-9/-10	.0	.1	.2	.1	.0	.0	.0	27	.0	.4
-11/-13	.0	.0	.1	.0	.0	.0	.0	4	.0	.1
-14/-16	.0	.0	*	.0	.0	.0	.0	1	.0	*
TOTAL								6918		
PCT	*	.3	4.3	41.8	47.5	5.3	.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

AREA 0001 TONKIN GULF
18.5N 107.5E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.0	.0	.4
1-2	*	1.1	1.1	.0	.0	.0	2.3
3-4	.0	.5	.8	.1	.0	.0	1.4
5-6	.0	*	.1	*	.0	.0	.1
7	.0	*	.1	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
/ -60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	2.0	2.0	.2	.0	.0	4.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.3	*	.0	.0	.0	.4
1-2	.1	.8	.3	.0	.0	.0	1.2
3-4	.0	.1	.4	*	.0	.0	.5
5-6	.0	*	*	.0	.0	.0	*
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.2	.7	*	.0	.0	2.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	*	.0	.0	.0	.8
1-2	.1	1.1	.9	.0	.0	.0	2.1
3-4	.0	.2	.9	*	.0	0	1.0
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.9	1.8	*	.0	.0	4.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.2	.1	.0	.0	.0	1.6
1-2	.3	4.7	8.1	.0	.0	.0	13.1
3-4	*	1.2	7.6	.7	.0	.0	9.5
5-6	*	*	8	.2	.0	.0	1.1
7	.0	.0	.1	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	7.1	16.6	1.0	.0	.0	25.4

PERIOD: (OVER-ALL) 196?-1971

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TABLE 18

AREA 0001 TONKIN GULF
18.3N 107.5E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.4	.1	.0	.0	.0	1.7
1-2	.2	7.0	10.4	.0	.0	.0	17.6
3-4	*	1.8	8.2	.7	.0	.0	10.8
5-6	.0	.1	.9	.2	.0	.0	1.3
7	.0	.0	.1	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	10.3	19.7	1.0	.0	.0	31.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.2	*	.0	.0	.0	1.4
1-2	.1	4.6	5.9	.0	.0	.0	10.7
3-4	.0	1.0	4.9	.3	.0	.0	6.3
5-6	.0	*	.8	.1	.0	.0	1.0
7	.0	.0	.1	.1	.0	.0	.2
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	6.8	11.8	.6	.0	.0	19.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.9	.0	.0	.0	.0	1.0
1-2	.2	2.2	1.3	.0	.0	.0	3.7
3-4	*	.5	1.1	*	.0	.0	1.6
5-6	.0	*	.2	*	.0	.0	.2
7	.0	0	.1	*	.0	.0	.1
8-9	.0	.0	*	*	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	0	.0
13-16	0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	3.5	2.8	.1	.0	.0	6.7

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	.0	.0	.0	.0	.7
1-2	*	1.7	1.5	.0	.0	.0	3.2
3-4	*	.4	.7	.1	.0	.0	1.3
5-6	.0	*	.1	.1	.0	.0	.2
7	.0	*	.1	.1	.0	.0	.2
8-9	.0	.0	.0	*	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	2.8	2.4	.3	.0	.0	5.7

JUNE

PERIOD: (OVER-ALL) 1963-1971

AREA 0001 TONKIN GULF
18.3N 107.5E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.1	6.5	.2	.0	.0	.0	8.9	
1-2	1.1	23.2	29.4	.0	.0	.0	53.8	
3-4	.1	5.0	24.6	2.0	.0	.0	32.3	
5-6	*	.2	3.0	.7	.0	.0	4.0	
7	.0	*	.5	.4	.0	.0	.9	
8-9	.0	.0	*	.1	.0	.0	.1	
10-11	.0	.0	.0	*	.0	.0	*	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								5161
TOT PCT	3.4	35.6	57.8	3.3	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.1	41.7	32.6	3.9	.9	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4547	3
6-7	*	1.8	5.2	.9	.4	.1	*	.0	.0	.0	.0	.0	.0	.0	0	.0	.0	.0	.0	460	3
8-9	.0	*	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29	5
10-11	0	.1	*	.0	*	*	.0	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	12	3
12-13	.0	.0	*	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	2.7	3.9	1.8	*	*	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	476	2
TOTAL	323	2630	2202	277	76	15	3	1	0	0	0	0	0	0	0	0	0	0	0	5527	3
PCT	5.8	47.6	39.8	5.0	1.4	.3	.1	*	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD. (PRIMARY) 1966-1971
(OVER-ALL) 1896-1971

AREA 0001 TONKIN GULF
18.2N 107.5E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	PRECIPITATION TYPE DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT PCPN OB	FREQ AT TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	1	.1	*	.0	.0	.0	.0		.2		.1	.0	*		.0	1.8	
NE	.1	.1	.0	.0	.0	.0	.0		.2		.1	.0	*		.0	1.7	
E	.1	*	.0	.0	.0	.0	.0		.1		.4	.0	.1		*	4.0	
SE	.1	.1	*	.0	.0	.0	.0		.2		1.6	*	.1		*	21.2	
S	*	.1	*	.0	.0	.0	.0		.2		2.1	.0	.1		*	29.7	
SW	.2	.1	.1	.0	.0	.0	.0		.4		.7	.0	.1		*	24.0	
W	.1	.2	*	.0	.0	.0	.0		.3		.3	.0	.0		.0	5.7	
NW	.1	.1	*	.0	.0	.0	.0		.2		.2	.0	*		.0	3.1	
VAR	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0		.0	.0	
CALM	*	*	.0	.0	.0	.0	.0		*		.1	*	.0		.0	1.0	
OT OBS	51	63	11	0	0	0	0			125	388	3	25		2	6382	6924
TOT PCT	7	.9	.2	.0	.0	.0	.0		1.8		5.6	*	.4		*	92.2	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	PRECIPITATION TYPE DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT PCPN OB	FREQ AT TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	.8	1.2	.2	.0	.0	.0	.0		2.3		.0	.0	.6		.0	97.1	
06&09	.9	.6	.1	.0	.0	.0	.0		1.6		.0	.0	.6		.0	97.8	
12&15	.5	.5	.1	.0	.0	.0	.0		1.0		10.3	.1	.1		.1	88.6	
18&21	.7	1.4	.2	.0	.0	.0	.0		2.3		12.1	.1	1		.1	85.3	
TOT	51	63	11	0	0	0	0			125	388	3	25		2	6385	6927
PCT	.7	.9	.2	.0	.0	0	.0		1.8		5.6	*	.4		*	92.2	

JULY

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1895-1971

AREA 0001 TONKIN GULF
18.2N 107.5E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.3	1.0	.7	*	.0	.0		2.1	9.3	1.6	2.1	3.5	2.3	2.9	.5	1.5	1.1
NE	.2	1.2	.5	*	.0	*		2.0	9.6	1.0	1.8	2.3	4.4	3.1	1.1	.9	.9
E	.3	2.8	1.5	*	*	*		4.6	9.4	1.8	2.6	4.5	9.7	8.2	6.2	3.2	1.7
SE	.5	7.3	14.2	1.1	*	.0		23.2	12.9	15.8	13.8	16.2	27.8	37.0	34.2	23.7	16.8
S	.5	8.9	20.9	1.7	.0	.0		32.0	13.4	32.1	25.4	27.1	23.6	23.5	36.2	44.8	43.7
SW	.5	5.6	15.5	3.3	.1	.0		25.0	14.9	34.4	39.7	29.8	22.3	15.7	15.9	18.5	26.1
W	.3	2.3	2.8	.9	.1	.0		6.4	13.6	8.0	8.3	9.5	5.8	5.1	3.1	4.2	6.1
NW	.2	1.7	1.5	.1	.0	.0		3.6	10.6	4.1	4.8	5.0	3.0	3.4	2.3	2.6	2.3
VAR	.0	.0	.0	.0	.0	.0		.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.1							1.1	.0	1.2	1.4	1.0	1.2	1.1	.4	.6	1.4
TOT OBS	278	2153	4023	515	12	3	6984		13.1	1173	569	116.	579	1175	549	1208	570
TOT PCT	4.0	30.8	57.6	7.4	.2	*		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.7	1.1	.3	.0	.0		2.1	9.3	1.8	3.1	2.1	1.4
NE	.6	1.2	.2	*	*		2.0	9.6	1.3	3.2	2.5	.9
E	1.4	2.9	.3	*	*		4.6	9.4	2.1	6.2	7.6	2.7
SE	2.4	15.3	5.3	.1	.0		23.2	12.9	15.2	20.1	36.1	21.5
S	2.8	20.7	8.4	.1	.0		32.0	13.4	29.9	25.9	27.6	44.4
SW	1.9	13.7	8.7	.7	*		25.0	14.9	36.2	27.3	15.8	20.9
W	1.0	3.6	1.4	.4	.0		6.4	13.6	8.1	8.3	4.5	4.8
NW	.9	2.0	.6	.0	.0		3.6	10.6	4.3	4.3	3.0	2.5
VAR	0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.1						1.1	.0	1.3	1.6	.9	.8
TOT OBS	902	4229	1751	96	6	6984		13.1	1742	1740	1724	1778
TOT PCT	12.9	60.6	25.1	1.4	.1		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1896-1971

AREA 0001 TONKIN GULF
18.2N 107.5E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.3	2.8	29.7	58.2	7.9	.2	.0	13.2	100.0	1742
06&09	1.6	4.4	36.8	51.6	5.1	.3	.2	12.0	100.0	1740
12&15	.9	2.1	29.8	59.5	7.7	.1	.0	13.3	100.0	1724
18&21	.8	2.1	27.1	61.1	8.8	.1	.0	13.8	100.0	1778
TOT	80	198	2:53	4023	515	12	3	13.1		6984
PCT	1.1	2.8	30.8	57.6	7.4	.2	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.1	.2	1.0	7		6.3
NE	2	.4	.8	.5		5.6
E	1.0	1.1	1.9	.7		4.8
SE	6.0	5.1	8.6	3.6		4.6
S	7 9	6.0	11.8	6.5		4.8
SW	3.7	3.4	11.3	6.3		5.6
W	.6	.7	2.8	2.2		6.0
NW	3	4	1.5	1.3		6 1
VAR	.0	.0	.0	.0		.0
CALM	.3	.3	.5	.1		4.5
TOT OBS	1314	1152	2640	1465	6571	5 1
TOT PCT	20.0	17 5	40.2	22.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM >4/8) AND OCCURRENCE OF MM (5/8 BY WIND DIRECTION

WIND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM (5/8 ANY HGT	TOTAL OBS
N	.0	.0	*	*	.2	.2	*	.1	*	.1	1.4	
NE	*	.0	*	.0	.1	.2	*	*	*	.0	1.5	
E	*	.0	.0	*	.2	.1	*	.1	*	.2	3.8	
SE	*	.0	*	*	.5	.8	.1	.2	.3	.6	20.8	
S	.0	.0	.0	*	.7	1.1	.2	.3	.5	1.7	27.6	
SW	.0	*	*	.1	.7	1.3	.4	.5	.7	2.2	19.3	
W	*	*	*	.1	.6	5	.2	.2	.1	.4	4.2	
NW	.0	.0	*	*	.5	.3	.1	.1	*	.1	2.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	*	.0	.0	.0	*	.1	.0	.0	*	*	.9	
TOT OBS	7	2	7	16	233	308	66	96	113	349	5374	6571
TOT PCT	.1	*	.1	.2	3 5	4.7	1.0	1.5	1.7	5.3	81.8	100.0

JULY

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1896-1971

AREA 0001 TONKIN GULF
18.2N 107.5E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0
= OR >5000	8.1	8.5	8.5	8.5	8.5	8.5	8.5	8.5
= OR >3500	8.8	9.5	9.5	9.5	9.5	9.5	9.5	9.5
= OR >2000	12.9	14.0	14.2	14.2	14.2	14.2	14.2	14.2
= OR >1000	15.6	17.4	17.7	17.7	17.7	17.7	17.7	17.7
= OR >600	15.7	17.6	17.9	17.9	18.0	18.0	18.0	18.0
= OR >300	15.8	17.7	18.0	18.0	18.1	18.1	18.1	18.1
= OR >150	15.8	17.7	18.0	18.1	18.1	18.1	18.1	18.1
= OR > 0	15.8	17.8	18.0	18.1	18.2	18.2	18.2	18.2
TOTAL	1037	1168	1185	1192	1193	1194	1196	1196

TOTAL NUMBER OF OBS: 6571 PCT FREQ NH <5/8: 81.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
19.4	23.2	25.1	9.1	4.9	4.8	7.2	2.5	3.7	.1	6596

JULY

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1896-1971

AREA 0001 TONKIN GULF
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	*	*	.0	.0	.0	*	.0	.0	.0	*	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	*	*	.0	.0	.0	*	.0	.0	.0	*	
	PCP	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
	PCP	.0	*	*	*	*	*	*	*	.0	.0	.1	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	*	*	.0	.0	*	
	TOT %	.0	*	*	*	*	*	.1	*	.0	.0	.2	
	PCP	*	.0	.0	*	*	.1	.1	.0	.0	.0	.2	
2<5	NO PCP	.0	*	.0	*	.1	*	.1	.0	.0	*	.2	
	TOT %	*	*	.0	*	.1	.1	.1	.0	.0	*	.4	
	PCP	*	.1	*	*	.1	.1	.1	.1	.0	*	.6	
5<10	NO PCP	.1	.1	.2	.9	1.6	1.9	.6	.3	.0	*	5.8	
	TOT %	.2	.2	.2	.9	1.6	2.1	.7	.4	.0	.1	6.4	
	PCP	.1	*	*	.1	.1	.2	.1	.1	.0	*	.8	
10+	NO PCP	1.8	1.7	4.3	22.0	30.3	22.8	5.3	3.0	.0	1.0	92.2	
	TOT %	1.9	1.7	4.3	22.2	30.4	22.9	5.4	3.1	.0	1.1	93.0	
	TOT OBS												6924
	TOT PCT	2.1	1.9	4.6	23.1	32.1	25.1	6.3	3.5	.0	1.1	100.0	

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1896-1971

AREA 0001 TONKIN GULF
18.2N 107.5E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	0		.0	
	11-21	.0	.0	.0	.0	.0	.0	*	.0	.0		*	
	22+	.0	*	*	.0	.0	.0	.0	.0	.0		*	
	TOT %	.0	*	*	.0	.0	.0	*	.0	.0	.0	*	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	*	.0	.0	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
	0-3	.0	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	
1<2	4-10	.0	*	*	*	*	0	.0	*	.0		.1	
	11-21	.0	.0	.0	.0	.0	*	*	*	.0		.1	
	22+	.0	*	*	.0	.0	*	*	.0	.0		*	
	TOT %	.0	*	*	*	*	*	.1	*	.0	.0	.2	
	0-3	.0	*	.0	.0	.0	.0	.0	.0	.0	*	*	
2<5	4-10	*	*	.0	*	*	*	.0	.0	.0		.1	
	11-21	.0	.0	.0	*	.1	.1	.1	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	*	*	.0	.0		*	
	TOT %	*	*	.0	*	.1	.1	.1	.0	.0	*	.5	
	0-3	*	*	*	*	*	*	.0	*	.0	.1	.2	
5<10	4-10	.1	.1	.1	.4	.7	.6	.2	.2	.0		2.3	
	11-21	.1	.1	.1	.5	.9	1.1	.3	.2	.0		3.3	
	22+	*	*	*	*	*	.3	.2	*	.0		.6	
	TOT %	.2	.2	.3	.9	1.6	2.1	.7	.3	.0	.1	6.4	
	0-3	.3	.2	.3	.5	.4	.5	.3	.2	.0	1.1	3.7	
10+	4-10	.9	1.1	2.6	6.8	8.1	5.0	2.1	1.6	.0		28.2	
	11-21	.6	.5	1.4	13.8	20.1	14.3	2.3	1.2	.0		54.1	
	22+	*	*	*	1.1	1.7	3.1	.8	.1	.0		6.9	
	TOT %	1.9	1.7	4.3	22.2	30.3	22.9	5.4	3.1	.0	1.1	92.9	
	TOT OBS												6934
	TOT PCT	2.1	2.0	4.6	23.1	32.1	25.1	6.3	3.5	.0	1.1	100.0	

JULY

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1896-1971

AREA 0001 TOKRIM GULF
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.MM >4/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 499	500 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00&03	.1	.1	.2	.3	4.4	5.6	.9	1.2	2.2	6.0	21.0	79.0	1675
06&09	.3	.1	.1	.2	3.9	4.7	1.1	1.8	1.9	4.8	18.9	81.1	1659
12&15	.1	.0	.1	.3	2.5	4.1	1.0	1.7	1.8	5.8	17.4	82.6	1630
18&21	.0	.0	.0	.1	3.3	4.2	1.0	1.2	.9	4.6	15.3	84.7	1625
TOT	7	2	7	16	233	308	66	96	113	349	1197	5392	6589
PCT	.1	*	.1	.2	3.5	4.7	1.0	1.5	1.7	5.3	18.2	81.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.1	.0	.1	.2	5.4	94.2	1671
06&09	.1	.1	.2	.2	5.4	94.0	1656
12&15	.0	.0	.1	.4	6.3	93.2	1626
18&21	.0	.0	.0	.6	5.9	93.6	1619
TOT	3	1	7	23	376	6182	6572
PCT	*	*	.1	.3	5.7	93.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.MM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00&03	.1	.4	1.0	20.0	78.9	1671
06&09	.3	.5	1.0	18.1	81.0	1656
12&15	.1	.2	.8	16.7	82.5	1626
18&21	.0	.0	.7	14.8	84.5	1619
TOT	9	19	57	1146	5369	6572
PCT	.1	.3	.9	17.4	81.7	100.0

PERIOD: (PRIMARY) 1966-1971
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AREA 0001 TONKIN GULF
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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.1	.2	*	.0	*	18	.3
90/94	.0	.0	.0	.3	1.9	1.5	.4	*	271	4.1
85/89	.0	.0	.0	.1	4.9	33.3	19.6	2.6	3983	60.5
80/84	.0	.0	.0	.0	.3	9.0	19.4	5.5	2253	34.2
75/79	.0	.0	.0	.0	.0	*	.2	.6	55	.8
TOTAL	0	0	0	28	480	2878	2612	582	6580	100.0
PCT	.0	.0	.0	.4	7.3	43.7	39.7	8.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	*	.0	*	.1	*	*	.0	.0	*
.1	.1	.2	.8	1.1	1.2	.3	.2	.0	.1
.8	1.0	2.2	13.7	21.3	16.7	3.0	1.4	.0	.6
1.2	.7	2.1	8.6	9.7	6.9	2.7	1.9	.0	.4
*	*	.1	.2	.1	.2	.1	.1	.0	.0
2.2	1.9	4.5	23.3	32.3	25.0	6.1	3.6	.0	1.2

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	95	91	88	85	82	79	75	84.9	1740
06&09	98	94	91	86	83	80	75	86.6	1729
12&15	96	90	88	85	82	79	75	85.2	1722
18&21	91	88	87	84	81	79	73	84.1	1774
TOT	98	92	89	85	82	79	73	85.2	6965

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.2	6.8	47.0	37.8	8.2	79	1645
06&09	.0	1.4	16.5	57.5	21.0	3.6	75	1622
12&15	.0	.1	4.1	42.5	45.1	8.2	80	1640
18&21	.0	.1	2.0	28.5	54.3	15.2	83	1675
TOT	0	28	480	2879	2613	582	79	6582

JULY

PERIOD: (PRIMARY) 1966-1971
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AREA 0001 TONKIN GULF
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.1	*	15	.0	.2
11/13	.0	.0	*	.2	.2	.2	46	.0	.7
9/10	.0	*	.3	.3	.5	.2	90	.0	1.3
7/8	.0	*	.6	.9	.9	.2	184	.0	2.7
6	.0	*	.3	.6	.7	.1	119	.0	1.7
5	.0	*	.5	1.1	1.0	*	181	.0	2.6
4	.0	*	.7	1.7	.6	*	211	*	3.1
3	.0	.0	.5	3.7	.8	.1	343	.0	5.0
2	.0	.1	1.4	5.1	.6	*	494	.0	7.2
1	.0	*	1.6	8.4	.6	.0	730	*	10.6
0	*	.2	4.4	10.0	.1	.0	1007	.0	14.7
-1	.0	.2	4.8	11.4	.2	.0	1135	.0	16.6
-2	*	.3	6.5	6.5	.1	.0	916	.0	13.4
-3	.0	.2	4.2	4.9	*	.0	636	.0	9.3
-4	.1	.3	3.7	.6	.0	.0	318	.0	4.6
-5	.0	.3	2.2	1.0	.0	.0	240	.0	3.5
-6	.0	.2	.9	.2	.0	.0	90	.0	1.3
-7/-8	*	.3	.7	.1	.0	.0	78	*	1.1
-9/-10	*	.1	.1	.0	.0	.0	15	.0	.2
-11/-13	*	.0	.0	.0	.0	.0	2	.0	*
TOTAL							6850		
PCT	.2	2.3	33.4	56.7	6.3	.9	100.0	*	99.9

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

AREA 0001 TONKIN GULF
18.2N 107.5E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.3	.0	0	.0	.0	.5
1-2	.1	.6	.4	.0	.0	.0	1.1
3-4	.0	.0	.1	*	.0	.0	.1
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	*	.0	.0	*
8-9	0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3	.9	.6	*	.0	.0	1.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.4
1-2	.1	.7	.3	.0	.0	.0	1.1
3-4	.0	.0	*	*	.0	.0	*
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.0	.4	*	.0	.0	1.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.8	.0	.0	.0	.0	1.0
1-2	.1	1.4	.9	.0	.0	.0	2.3
3-4	*	.3	.5	*	.0	.0	.8
5-6	.0	1	*	.0	.0	.0	.1
7	0	0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	0	.0	.0	.0	.0	.0	.0
13-16	.0	0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.6	1.4	*	.0	.0	4.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.9	*	.0	.0	.0	1.2
1-2	.2	4.6	7.7	.0	.0	.0	12.4
3-4	*	1.2	6.5	.8	.0	.0	8.6
5-6	.0	.1	.5	.2	.0	.0	.8
7	.0	.0	*	*	.0	.0	*
8-9	.0	*	*	*	.0	.0	.1
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	*	.0	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	6.8	14.0	1.0	.0	.0	23.2

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TABLE 18

AREA 0001 TONKIN GULF
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.0	*	.0	.0	.0	1.1
1-2	.2	5.5	10.7	.0	.0	.0	16.3
3-4	*	1.6	10.5	1.0	.0	.0	13.1
5-6	.0	*	.8	.1	.0	.0	1.0
7	.0	.0	.1	.1	.0	.0	.2
8-9	.0	.0	.0	*	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	8.1	22.1	1.3	.0	.0	31.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.8	*	.0	.0	.0	1.0
1-2	.2	3.7	6.7	.0	.0	.0	10.6
3-4	*	1.0	9.5	1.4	.0	.0	12.0
5-6	.0	.0	.8	.8	*	.0	1.6
7	.0	*	.4	.9	*	.0	1.3
8-9	.0	.0	*	.3	.0	.0	.3
10-11	.0	.0	*	.1	*	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	5.5	17.6	3.5	.1	.0	27.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.0	.0	.5
1-2	.2	1.4	1.4	.0	.0	.0	3.0
3-4	.0	.2	1.1	.4	.0	.0	1.6
5-6	.0	.0	.2	.2	*	.0	.4
7	.0	.0	.1	.3	*	.0	.4
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.1	*	.0	.1
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.1	2.7	1.1	.1	.0	6.2

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.0	.0	.5
1-2	.1	1.0	.9	.0	.0	.0	2.0
3-4	*	.1	.4	*	.0	.0	.6
5-6	.0	.0	.1	.1	.0	.0	.1
7	.0	.0	.0	*	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.4	1.4	.1	.0	.0	3.2

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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.2	4.9	.1	.0	.0	.0	7.2	
1-2	1.2	18.8	28.9	.0	.0	.0	48.9	
3-4	.1	4.5	28.6	3.6	.0	.0	36.8	
5-6	.0	.2	2.5	1.4	*	.0	4.1	
7	.0	*	.7	1.4	.1	.0	2.1	
8-9	.0	*	.1	.4	.0	.0	.5	
10-11	.0	.0	*	.2	.1	.0	.3	
12	.0	.0	*	*	.0	.0	*	
13-16	.0	.0	.0	.0	.0	.0	0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								5065
TOT PCT	3.5	28.4	60.9	7.0	.2	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.2	39.1	33.8	3.5	1.4	.1		*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4310	3
6-7	*	1.3	6.1	1.7	.9	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	558	4
8-9	.0	.1	.6	.1	.3	.2	.2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	82	6
10-11	.0	*	*	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
12-13	.0	.0	*	*	*	.0	.0	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	4	6
>13	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	1	10
INDET	2.8	4.0	1.8	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	474	2
TOTAL	219	2418	2295	295	145	30	27	3	1	0	0	0	0	0	0	0	0	0	0	5433	3
PCT	4.0	44.5	42.2	5.4	2.7	.6	.5	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1966-197:
(OVER-ALL) 1966-1971

AREA 0001 TONKIN GULF
18.3N 107.4E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			PRECIPITATION TYPE							OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.1	.3	*	.0	.0	.0	.0	.4		.2	.0	.0		.0	3.3	
NE	.1	.2	*	.0	.0	.0	.0	.3		.3	.0	.0		.0	3.5	
E	.2	.2	*	.0	.0	.0	.0	.4		.8	.0	.0		.0	5.7	
SE	.2	.2	*	.0	.0	.0	.0	.5		1.4	.0	*		.0	15.7	
S	.4	.4	.1	.0	.0	.0	.0	.9		1.7	*	.1		.0	18.7	
SW	.5	.4	.1	.0	.0	.0	.0	1.0		1.2	*	*		.0	26.7	
W	.4	.2	.1	.0	.0	.0	.0	.7		.3	*	*		.0	9.2	
NW	.4	.3	.1	.0	.0	.0	.0	.7		.2	*	*		.0	4.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	*	*	*	.0	.0	.0	.0	.1		.1	.0	*		.0	1.5	
TOT OBS	172	154	34	0	0	0	0		358	459	4	10		0	6472	7297
TOT PCT	2.4	2.1	.5	.0	.0	.0	.0	4.9		6.3	.1	.1		.0	88.7	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			PRECIPITATION TYPE							OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	3.7	2.3	.5	.0	.0	.0	.0	6.5		.3	.0	.2		.0	93.1	
06&09	2.0	1.9	.4	.0	.0	.0	.0	4.3		.1	.0	.2		.0	95.4	
12&15	1.4	1.2	.4	.0	.0	.0	.0	3.0		10.1	.1	.0		.0	86.9	
18&21	2.3	3.0	.5	.0	.0	.0	.0	5.6		14.5	.2	.1		.0	79.6	
TOT	172	154	34	0	0	0	0		358	459	4	10		0	6474	7299
PCT	2.4	2.1	.5	.0	.0	.0	.0	4.9		6.3	.1	.1		.0	88.7	

AUGUST

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1866-1971

TABLE 3

AREA 0001 TONKIN GULF
18.3N 107.4E

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.3	2.3	1.3	*	.0	.0		4.0	9.1	3.2	3.5	5.7	5.6	5.6	3.6	1.8	2.7
NE	.3	2.3	1.3	.2	*	.0		4.1	9.7	1.9	3.3	5.3	7.3	6.5	4.1	2.4	3.0
E	.4	3.7	2.7	.1	*	.0		6.9	9.9	3.7	3.8	5.7	13.0	12.4	10.0	4.5	3.6
SE	.7	8.4	8.2	.4	.0	.0		17.6	10.7	13.5	11.4	12.2	16.3	25.5	24.5	20.6	15.1
S	.4	8.1	11.9	1.0	*	.0		21.4	12.3	21.4	14.5	13.7	18.8	18.6	25.5	30.8	28.4
SW	.5	7.4	18.2	2.7	*	.0		28.8	14.3	34.1	41.5	31.8	24.0	19.7	22.5	26.8	33.1
W	.4	3.9	5.2	.6	*	.0		10.2	12.0	14.1	13.4	14.4	7.9	6.0	6.2	8.8	7.6
NW	.3	2.9	1.9	.2	.0	.0		5.3	10.2	6.2	5.5	8.7	5.1	4.5	2.9	3.2	5.3
VAR	.0	0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.7							1.7	.0	2.0	3.1	2.4	2.2	1.2	.7	1.1	1.0
TOT OBS	368	2891	3746	386	7	0	7398		11.8	1244	580	1242	600	1255	585	1273	619
TOT PCT	5.0	39.1	50.6	5.2	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	1.3	2.4	.3	.0	.0		4.0	9.1	3.3	5.7	5.0	2.1
NE	1.3	2.4	.5	*	0		4.1	9.7	2.3	6.0	5.7	2.6
E	1.6	4.7	.5	*	.0		6.9	9.9	3.7	8.1	11.6	4.2
SE	3.2	12.8	1.6	*	.0		17.6	10.7	12.8	13.5	25.2	18.8
S	2.8	14.0	4.6	1	*		21.4	12.3	19.2	15.4	20.8	30.0
SW	2.6	15.8	10.1	.5	.0		28.8	14.3	36.4	29.2	20.6	28.9
W	1.8	6.1	2.2	.1	.0		10.2	12.0	13.9	12.3	6.0	8.4
NW	1.3	3.4	.6	.1	.0		5.3	10.2	6.0	7.5	4.0	3.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	0
CALM	1.7						1.7	.0	2.4	2.3	1.0	1.1
TOT OBS	1297	4550	1506	44	1	7398		11.8	1824	1042	1840	1892
TOT PCT	17.5	61.5	20.4	.6	*		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1866-1971

AREA 0001 TONKIN GULF
18.3N 107.4E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.4	3.5	34.5	52.4	7.1	.2	.0	12.4	100.0	1824
06&09	2.3	3.7	45.4	44.6	3.9	.1	.0	11.0	100.0	1842
12&15	1.0	3.3	42.3	49.1	4.2	.1	.0	11.5	100.0	1840
18&21	1.1	2.7	34.1	56.3	5.7	.1	.0	12.5	100.0	1892
TOT	125	243	2891	3746	386	7	0	11.8		7398
PCT	1.7	3.3	39.1	50.6	5.2	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.2	.6	1.9	1.4		6.2
NE	.4	.4	2.0	1.3		6.1
E	:.0	1.3	2.9	1.8		5.5
SE	3.3	3.3	7.1	4.0		5.2
S	3.9	3.2	8.4	5.8		5.4
SW	3 6	3.4	12.6	9.5		5.8
W	1.0	1.2	4.4	3.5		6.0
NW	.3	.6	2.3	2.1		6.4
VAR	.0	.0	.0	.0		.0
CALM	.1	.3	.7	.5		5.8
TOT OBS	956	997	2956	2087	6996	5.7
TOT PCT	13.7	14.3	42.3	29.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM >4/8) AND OCCURRENCE OF MM (5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM (5/8 ANY HGT	TOTAL OBS
.0	.0	*	.1	.5	.5	.1	.1	*	.1	2.7	
.0	.0	*	*	.5	.5	.1	*	*	*	2.9	
.0	.0	*	*	.6	.5	.1	*	*	.1	5.4	
.0	.0	.1	.1	1.3	1.2	.1	.2	.1	.4	14.1	
*	*	*	.2	1.3	1.4	.3	.2	.4	1.1	16.3	
*	.0	*	.1	1.4	1.7	.5	.6	.9	2.6	21.4	
.0	.0	*	.1	1.1	1.0	.1	.2	.2	.8	6.6	
*	.0	*	.1	.8	.7	.1	.1	*	.2	3.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	0	*	.1	.1	.0	.0	.0	*	1.4	
4	2	9	48	532	529	92	95	124	370	5181	6996
.1	*	.1	.7	7.6	7.6	1.3	1.4	1.8	5.3	74.1	100.0

AUGUST

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1966-1971

AREA 0001 TONKIN GULF
18.3N 107.4E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	6.4	7.0	7.1	7.1	7.1	7.1	7.1	7.1
= OR >5000	7.5	8.4	8.4	8.4	8.4	8.4	8.4	8.4
= OR >3500	8.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
= OR >2000	14.8	17.2	17.3	17.3	17.3	17.3	17.3	17.3
= OR >1000	20.7	24.4	24.8	24.9	24.9	24.9	24.9	24.9
= OR >600	20.9	25.0	25.5	25.5	25.5	25.6	25.6	25.6
= OR >300	21.0	25.2	25.7	25.8	25.8	25.8	25.8	25.8
= OR >150	21.0	25.2	25.7	25.8	25.8	25.9	25.9	25.9
= OR > 0	21.0	25.2	25.8	25.8	25.9	25.9	25.9	25.9
TOTAL	1468	1763	1804	1807	1809	1813	1814	1814

TOTAL NUMBER OF OBS: 6996 PCT FREQ NH <5/8: 74.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
9.4	20.6	28.5	9.8	5.7	7.1	9.4	3.2	6.2	.1	7019

AUGUST

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1866-1971

AREA 0001 TONKIN GULF
18.3N 107.4E

TABLE 6

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (MM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	*	.0	*	*	*	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	*	.0	*	*	*	.0	.0	.1	
1/2<1	PCP	.0	.0	.0	*	.0	.0	.0	*	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	*	.0	.0	.0	*	.0	.0	*	
1<2	PCP	.0	.0	*	*	.0	.0	*	*	.0	*	*	
	NO PCP	.0	*	.0	.0	*	.0	.0	.0	.0	.0	*	
	TOT %	.0	*	*	*	*	.0	*	*	.0	*	.1	
2<5	PCP	*	*	*	*	.1	.1	.1	.1	.0	.0	.5	
	NO PCP	.0	.0	.0	*	*	*	*	.0	.0	.0	.1	
	TOT %	*	*	*	.1	.1	.1	.1	.1	.0	.0	.6	
5<10	PCP	.3	.1	.1	.1	.3	.4	.2	.4	.0	*	2.0	
	NO PCP	.4	.4	.6	1.6	1.8	1.9	1.1	.5	.0	.2	8.6	
	TOT %	.7	.5	.8	1.7	2.2	2.4	1.3	.9	.0	.2	10.6	
10+	PCP	.1	.1	.2	.3	.4	.5	.3	.2	.0	*	2.2	
	NO PCP	3.1	3.4	5.9	15.6	18.6	26.0	8.3	4.1	.0	1.4	86.4	
	TOT %	3.3	3.5	6.1	15.8	19.1	26.4	8.7	4.3	.0	1.4	88.6	
	TOT OBS												7297
	TOT PCT	4.0	4.1	6.9	17.6	21.4	28.9	10.2	5.3	.0	1.7	100.0	

AUGUST

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1866-1971

AREA 0001 TONKIN GULF
18.3N 107.4E

TABLE 9

PERCENT FREQ OF WIND DIRECTION AND WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	C	ALL	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	*	.0	*	*	*	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	*	.0	.0		*	
	TOT %	.0	.0	.0	*	.0	*	*	*	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	*	.0	.0	.0	.0	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	*	.0	.0	.0	*	.0	.0	*	
	0-3	.0	.0	.0	.0	*	.0	.0	.0	.0	*	*	
1<2	4-10	.0	*	*	*	.0	*	*	*	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	*	*	*	*	*	*	*	.0	*	.1	
	0-3	*	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
2<5	4-10	*	.0	*	*	*	.1	*	*	.0		.2	
	11-21	*	*	*	*	.1	*	.1	*	.0		.4	
	22+	.0	.0	.0	*	*	*	*	*	.0		.1	
	TOT %	.1	*	*	.1	.1	.1	.2	.1	.0	.0	.7	
	0-3	*	.1	.1	.1	*	.1	.1	*	.0	.2	.8	
5<10	4-10	.3	.3	.4	.8	.9	.8	.6	.4	.0		4.5	
	11-21	.3	.2	.3	.7	1.1	1.3	.6	.3	.0		4.7	
	22+	.0	*	*	.1	.1	.2	.1	.1	.0		.6	
	TOT %	.7	.5	.8	1.7	2.2	2.4	1.3	.8	.0	.2	10.6	
	0-3	.3	.3	.3	.5	.3	.4	.3	.2	.0	1.5	4.1	
10+	4-10	1.9	2.0	3.2	7.6	7.0	6.5	3.3	2.5	.0		34.2	
	11-21	1.0	1.1	2.4	7.5	10.8	16.9	4.5	1.5	.0		45.6	
	22+	*	.3	.1	.3	.9	2.5	.5	.1	.0		4.6	
	TOT %	3.2	3.5	6.0	15.8	19.1	26.3	8.6	4.3	.0	1.5	88.5	
	TOT OBS												7355
	TOT PCT	4.0	4.1	6.9	17.7	21.4	28.8	10.1	5.3	.0	1.7	100.0	

AUGUST

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1866-1971

AREA 0001 TONKIN GULF
18.3N 107.4E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.1	.1	.2	.7	8.6	8.5	1.4	1.4	2.0	5.5	28.5	71.5	1770
06&09	.1	.0	.3	.6	7.2	7.1	1.2	1.3	1.6	4.7	24.0	76.0	1760
12&15	.0	.0	.3	.7	6.3	6.0	1.2	1.4	2.2	5.9	24.1	75.9	1745
18&21	.1	.1	.2	.7	8.2	8.6	1.5	1.3	1.3	5.0	26.9	73.1	1738
TOT	4	2	19	48	532	529	92	95	124	370	1815	5198	7013
PCT	.1	*	.3	.7	7.6	7.5	1.3	1.4	1.8	5.3	25.9	74.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.2	.1	.1	.6	8.7	90.3	1766
06&09	.1	.0	.1	.5	8.0	91.3	1754
12&15	.0	.0	.0	.3	10.6	89.1	1742
18&21	.0	.0	.0	1.2	14.3	84.5	1736
TOT	6	2	3	44	727	[illegible]	6998
PCT	.1	*	*	.6	10.4	88.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.2	.6	1.6	27.1	71.3	1766
06&09	.1	.5	1.5	22.6	75.9	1754
12&15	.0	.3	1.2	22.8	75.9	1742
18&21	.1	.4	2.0	25.1	72.9	1736
TOT	6	30	110	1709	5179	6998
PCT	.1	.4	1.6	24.4	74.0	100.0

AUGUST

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1956-1971

AREA 0001 TONKIN GULF
18.3N 107.4E

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	*	*	.2	*	*	.0	18	.3
90/94	.0	.0	*	.1	1.7	1.1	.4	.1	233	3.3
85/89	.0	.0	.0	*	4.4	28.6	15.5	2.0	3512	50.5
80/84	.0	.0	.0	.0	.6	10.0	28.8	4.9	3090	44.4
75/79	.0	.0	.0	.0	.0	*	.3	1.1	104	1.5
TOTAL	0	0	2	13	475	2760	3133	574	6957	100.0
PCT	.0	.0	*	.2	6.8	39.7	45.0	8.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.0	*	*	*	.1	.1	*	.0	*
.1	.1	.2	.3	.5	1.3	.5	.2	.0	.1
1.5	1.5	2.1	6.1	11.4	18.7	5.2	2.1	.0	.8
2.2	2.3	4.4	10.8	9.2	8.1	4.0	2.6	.0	.7
.1	.1	.2	.1	.2	.2	.3	.2	.0	.0
4.0	4.1	6.9	17.4	21.3	29.4	10.1	5.2	.0	1.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	97	90	88	84	80	78	75	84.4	1822
06&09	97	94	91	86	82	78	75	86.2	1841
12&15	95	90	88	85	81	79	76	84.7	1840
18&21	94	88	87	84	80	78	75	83.8	1894
TOT	97	92	89	85	81	79	75	84.8	7397

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.2	5.3	40.1	45.2	9.3	80	1732
06&09	.0	.6	16.7	52.0	26.5	4.2	76	1721
12&15	.0	.0	4.1	38.6	51.0	6.4	80	1727
18&21	.0	.1	1.5	28.4	57.1	12.9	83	1778
TOT	0	15	475	2761	3133	574	80	6958

AUGUST

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1866-1971

AREA 0001 TONKIN GULF
18.3N 107.4E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/16	.0	.0	.0	*	.0	*	9	.0	.1
11/13	.0	.0	*	*	*	.2	20	.0	.3
9/10	.0	.0	*	*	.2	.1	27	.0	.4
7/8	.0	.0	.1	.2	.8	.2	88	.0	1.2
6	.0	.0	*	.5	.4	*	72	.0	1.0
5	.0	.0	.1	1.0	.8	.1	142	.0	2.0
4	.0	.0	.5	1.7	.7	*	208	.0	2.9
3	.0	.0	.5	2.6	.9	.1	292	.0	4.1
2	.0	.1	1.5	4.6	.5	*	483	*	6.7
1	.0	.0	1.0	7.7	.4	*	657	.0	9.1
0	.0	.1	4.0	8.5	.3	.0	924	.0	12.8
-1	.0	.1	5.2	9.8	.3	.0	1102	.0	15.3
-2	.0	.2	9.1	4.2	.1	.0	980	*	13.6
-3	*	.3	8.1	3.8	.1	.0	882	.0	12.3
-4	.0	.3	6.0	1.2	*	.0	540	.1	7.5
-5	*	.5	3.6	1.1	.0	.0	381	.0	5.3
-6	.0	.6	1.5	.3	.0	.0	184	*	2.5
-7/-8	*	1.0	.9	.1	.0	.0	145	.0	2.0
-9/-10	*	.4	.2	*	.0	.0	49	.0	.7
-11/-13	.1	.1	*	.0	.0	.0	12	.0	.2
TOTAL							7198		
PCT	.2	3.8	42.5	47.2	5.5	.7	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1971

AUGUST

TABLE 18

AREA 0001 TONKIN GULF
18.3N 107.4E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	*	.0	.0	.0	.7
1-2	.2	1.5	1.0	.0	.0	.0	2.6
3-4	*	.1	.1	*	.0	.0	.3
5-6	.0	*	*	.0	.0	.0	.1
7	.0	.0	*	*	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.2	1.2	*	.0	.0	3.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	*	.0	.0	.0	.7
1-2	.1	1.6	.9	.0	.0	.3	2.9
3-4	.0	*	.2	.0	.0	.0	.3
5-6	.0	*	1	*	.0	.0	.1
7	.0	.0	.1	.1	*	.0	.2
8-9	.0	.0	.0	*	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.3	1.3	.2	*	.0	4.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.8	*	.0	.0	.0	1.1
1-2	.1	2.4	1.7	.0	.0	.0	4.2
3-4	.0	.5	.9	*	.0	.0	1.4
5-6	.0	*	.1	.0	.0	.0	.1
7	.0	.0	*	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	3.8	2.7	.1	.0	.0	6.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.6	*	.0	.0	.0	1.8
1-2	.2	5.4	5.5	.0	.0	.0	11.1
3-4	.1	1.1	3.3	.3	.0	.0	4.7
5-6	.0	.1	.1	*	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	8.1	8.9	.3	.0	.0	17.7

PERIOD: (OVER-ALL) 1963-1971

AUGUST

TABLE 18

AREA 0001 TONKIN GULF 18.3N 107.4E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.3	.1	.0	.0	.0	1.5
1-2	.1	5.1	6.4	.0	.0	.0	11.6
3-4	*	1.0	4.4	.6	.0	.0	6.0
5-6	.0	*	.5	.1	.0	.0	.7
7	.0	.0	.1	.0	*	.0	.1
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	0	.0
TOT PCT	.3	7.4	11.4	.8	*	.0	20.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	7.6	20.2	2.6	*	.0	30.8
1-2	.4	5.0	7.5	.0	.0	.0	12.8
3-4	*	1.3	11.1	2.1	.0	.0	14.5
5-6	.0	*	1.1	.3	*	.0	1.4
7	.0	.0	.5	.3	*	.0	.7
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	7.6	20.2	2.6	*	.0	30.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.8	*	.0	.0	.0	1.0
1-2	.2	2.6	3.1	.0	.0	.0	5.9
3-4	*	.6	2.2	.6	.0	.0	3.4
5-6	.0	.0	.2	.1	.0	.0	.3
7	.0	.0	*	*	.0	0	.1
8-9	.0	.0	.0	.0	*	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	4.1	5.5	.7	*	.0	10.7

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.7	*	.0	.0	.0	.7
1-2	.1	1.9	1.4	.0	.0	.0	3.4
3-4	.0	.2	.5	.1	.0	.0	.9
5-6	.0	.0	*	*	.0	.0	.1
7	.0	.0	*	*	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.8	2.0	.2	.0	.0	5.1

AUGUST

PERIOD: (OVER-ALL) 1963-1971

AREA 0001 TONKIN GULF
18.3N 107.4E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.4	7.7	.2	.0	.0	.0	10.4	
1-2	1.2	25.3	27.2	.0	.0	.0	53.7	
3-4	.2	4.9	22.5	3.8	.0	.0	31.4	
5-6	.0	.2	2.3	.5	*	.0	3.0	
7	.0	.0	.7	.5	.1	.0	1.3	
8-9	.0	.0	*	.0	*	.0	.1	
10-11	.0	.0	*	*	.0	.0	.1	
12	.0	.0	.0	*	.0	.0	*	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.9	38.1	53.0	4.9	.1	.0	100.0	5097

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.8	44.7	31.7	2.6	1.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4610	2
6-7	.1	1.4	1.9	.5	.6	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	264	4
8-9	.0	.1	.1	.1	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36	5
10-11	.0	.1	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	3
12-13	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	2
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	4.1	5.0	1.9	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	621	2
TOTAL	385	2843	1987	187	109	18	14	2	0	0	0	0	0	0	0	0	0	0	0	5545	2
PCT	6.9	51.3	35.8	3.4	2.0	.3	.3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

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PERIOD: (PRIMARY) 1966-1971
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AREA 0001 TONKIN GULF
18.3N 107.5E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			PRECIPITATION TYPE								OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W0 PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.8	.8	.1	.0	.0	.0	.0	1.7		.6	*	.4		*	12.5	
NE	.8	.8	.1	.0	.0	.0	.0	1.8		.9	*	.4		.0	15.3	
E	.3	.5	*	.0	.0	.0	.0	.8		1.0	*	.3		.0	11.8	
SE	.1	.3	.1	.0	.0	.0	.0	.6		1.4	*	.1		*	12.0	
S	.1	.2	*	.0	.0	.0	.0	.4		.7	.0	.1		.0	8.1	
SW	.3	.3	.1	.0	.0	.0	.0	.6		.4	.0	.1		.0	6.9	
W	.6	.4	.1	.0	.0	.0	.0	1.0		.4	*	*		*	6.3	
NW	.7	.5	.1	.0	.0	.0	.0	1.2		.3	*	.2		.0	8.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	*	*	*	.0	.0	.0	.0	*		*	.0	.1		.0	2.9	
TOT OBS	260	260	40	0	0	0	0		555	393	8	120		3	5752	6825
TOT PCT	3.8	3.8	.6	.0	.0	.0	.0	8.1		5.8	.1	1.8		*	84.3	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			PRECIPITATION TYPE								OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W0 PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	5.4	4.9	.6	.0	.0	.0	.0	10.8		.2	.1	1.7		.1	87.3	
06&09	3.6	3.6	.8	.0	.0	.0	.0	7.9		.2	.2	1.9		.1	89.9	
12&15	2.5	2.1	.4	.0	.0	.0	.0	4.9		11.3	.1	1.7		.1	82.2	
18&21	3.7	4.8	.6	.0	.0	.0	.0	8.9		11.5	.1	1.8		.0	77.8	
TOT	260	260	40	0	0	0	0		555	393	8	120		3	5756	6829
PCT	3.8	3.8	.6	.0	.0	.0	.0	8.1		5.8	.1	1.8		*	84.3	

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TABLE 3

AREA 0001 TONKIN GULF
18.3N 107.5E

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.9	6.2	6.3	1.7	.1	*		15.2	12.5	15.0	13.9	18.8	20.8	15.5	12.7	11.1	13.6
NE	.9	7.8	7.3	2.3	.1	.0		18.4	12.6	14.9	16.8	17.7	23.5	23.7	21.4	14.3	16.8
E	.9	7.8	5.0	.3	*	.0		14.0	9.9	11.0	11.5	11.0	16.5	21.2	17.3	13.0	10.5
SE	.9	8.0	4.9	.4	.0	.0		14.1	9.7	13.0	12.3	9.2	10.2	16.3	21.0	16.8	15.1
S	.8	5.5	2.9	.2	*	.0		9.4	9.1	9.6	8.5	7.9	3.4	5.5	10.4	15.3	14.2
SW	.5	4.8	2.3	.2	.1	.0		7.9	9.5	12.1	8.9	7.4	3.5	4.3	5.4	9.5	10.5
W	.7	4.2	2.5	.4	.1	.0		7.8	9.9	10.4	9.9	8.7	5.9	4.6	3.2	9.8	7.2
NW	.8	5.3	3.4	.5	.1	*		10.1	10.3	10.8	13.1	15.4	12.0	6.9	5.3	7.4	9.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.1							3.1	.0	3.2	3.0	3.8	4.0	2.2	3.3	2.8	3.0
TOT OBS	657	3433	2391	416	28	2	6927			1161	563	1187	574	1147	543	1178	574
TOT PCT	9.5	49.6	34.5	6.0	.4	*		100.0	10.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	3.1	8.3	3.0	.7	*		15.2	13.5	14.6	19.4	14.6	11.9
NE	4.2	9.3	4.2	.8	*		18.4	12.6	16.2	19.6	23.0	15.1
E	4.0	8.4	1.5	.1	*		14.0	9.9	11.2	12.8	19.9	12.2
SE	4.2	8.4	1.4	.1	.0		14.1	9.7	12.8	9.6	17.8	16.2
S	3.1	5.6	.7	*	.0		9.4	9.1	9.3	6.4	7.1	15.0
SW	2.6	4.6	.6	.1	.0		7.9	9.5	11.0	6.1	4.6	9.8
W	2.6	4.3	.8	.2	.0		7.8	9.9	10.2	7.8	4.1	8.9
NW	3.3	5.3	1.3	.2	*		10.1	10.3	11.6	14.3	6.4	7.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.1						3.1	.0	3.1	3.9	2.5	2.9
TOT OBS	2093	3741	942	147	4	6927		10.4	1724	1761	1690	1752
TOT PCT	30.2	54.0	13.6	2.1	.1		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.1	6.9	49.5	33.0	7.0	.5	.0	10.4	100.0	1724
06&09	3.9	7.2	50.8	31.1	6.4	.5	.1	10.1	100.0	1761
12&15	2.5	5.4	49.9	36.9	4.8	.4	.1	10.5	100.0	1690
18&21	2.9	5.9	48.1	37.1	5.8	.3	.0	10.5	100.0	1752
TOT	215	442	3433	2391	416	28	2	10.4		6927
PCT	3.1	6.4	49.6	34.5	6.0	.4	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.6	2.5	5.0	4.3		5.1
NE	4.1	2.6	6.3	5.3		5.2
E	3.2	2.2	5.6	2.8		4.9
SE	3.7	2.6	5.5	2.2		4.6
S	2.5	2.0	3.9	1.6		4.6
SW	1.8	1.5	2.7	2.0		5.0
W	1.3	1.1	2.9	2.6		5.5
NW	1.8	1.8	3.7	3.1		5.5
VAR	.0	.0	.0	.0		.0
CALM	1.0	.6	1.1	.3		4.1
TOT OBS	1474	1090	2324	1561	6449	5.0
TOT PCT	22.9	16.9	36.0	24.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	*	.0	.2	.4	2.1	1.8	.2	.2	.2	.2	9.9	
NE	.0	.0	.1	.7	2.4	2.2	.3	.2	.3	.4	11.7	
E	*	.0	.1	.1	1.6	1.1	.1	.1	.2	.2	10.2	
SE	.0	.0	.1	1.2	1.2	.1	.1	.1	.1	.3	11.0	
S	.0	*	.1	.1	.7	.7	.1	*	.1	.1	7.5	
SW	.0	*	*	.1	.7	.6	.1	.1	.2	.2	6.0	
W	.0	*	.1	.2	1.3	.7	.1	.1	.1	.2	5.1	
NW	*	.0	.1	.2	1.5	1.1	.2	.1	.2	.1	6.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.1	.1	*	*	*	*	2.7	
TOT OBS	4	2	42	119	752	617	77	54	80	124	4578	6449
TOT PCT	.1	*	.7	1.8	11.7	9.6	1.2	.8	1.2	1.9	71.0	100.0

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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	2.7	3.2	3.2	3.2	3.2	3.2	3.2	3.2
= OR >5000	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0
= OR >3500	4.4	5.2	5.2	5.2	5.2	5.2	5.2	5.2
= OR >2000	11.4	14.4	14.7	14.7	14.8	14.8	14.8	14.8
= OR >1000	18.6	25.4	26.2	26.3	26.4	26.4	26.4	26.4
= OR >600	19.1	26.8	27.9	28.1	28.2	28.2	28.3	28.3
= OR >300	19.1	27.1	28.3	28.7	28.8	28.9	28.9	28.9
= OR >150	19.2	27.1	28.4	28.7	28.8	28.9	28.9	28.9
= OR > 0	19.2	27.1	28.4	28.7	28.9	29.0	29.0	29.0
TOTAL	1236	1750	1831	1852	1864	1868	1871	1871

TOTAL NUMBER OF OBS: 6450 PCT FREQ NH <5/8: 71.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
8.6	16.5	28.9	10.8	6.0	7.5	9.2	3.3	8.9	.2	6476

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.1	*	*	.0	*	*	.1	*	.0	.0	.2	
<1/2	NO PCP	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	TOT %*	.1	*	*	.0	*	*	.1	*	.0	.0	.2	
	PCP	.1	.1	.0	*	*	*	*	.1	.0	.0	.3	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	TOT %	.1	.1	.0	*	*	*	*	.1	.0	.0	.3	
	PCP	.1	.2	*	*	*	*	*	*	.0	.0	.4	
1<2	NO PCP	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	TOT %	.1	.2	*	*	*	*	*	*	.0	.0	.4	
	PCP	.3	.3	.1	*	.1	.1	.2	.2	.0	.0	1.3	
2<5	NO PCP	*	*	*	*	.0	.0	.0	*	.0	.0	.1	
	TOT %	.3	.3	.1	*	.1	.1	.2	.3	.0	.0	1.4	
	PCP	.9	.7	.3	.2	.1	.4	.6	.6	.0	*	3.9	
5<10	NO PCP	2.1	2.8	1.8	1.5	.8	.9	.9	1.2	.0	.5	12.5	
	TOT %	3.0	3.5	2.1	1.8	.9	1.2	1.5	1.8	.0	.5	16.4	
	PCP	.3	.5	.4	.2	.2	.1	.2	.2	.0	.0	2.1	
10+	NO PCP	11.4	13.8	11.4	12.0	8.2	6.5	5.8	7.7	.0	2.5	79.2	
	TOT %	11.7	14.3	11.8	12.2	8.3	6.6	6.0	7.9	.0	2.5	81.3	
	TOT OBS												6825
	TOT PCT	15.2	18.4	14.0	14.1	9.4	7.9	7.8	10.1	.0	3.0	100.0	

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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	*	.0	.0	.0	.0	.0	.0	.0		*	
	11-21	.0	.0	*	.0	.0	.0	*	*	.0		*	
	22+	.1	*	.0	.0	*	*	*	*	.0		.2	
	TOT %	.1	*	*	.0	*	*	.1	*	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	*	*	.0	*	*	.0	*	*	.0		.1	
	22+	*	.1	.0	.0	.0	*	*	.1	.0		.2	
	TOT %	.1	.1	.0	*	*	*	.1	.1	.0	.0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	*	*	*	*	.0	*	.0		.1	
	11-21	*	.1	*	*	.0	.0	.0	.0	.0		.1	
	22+	*	.1	*	.0	*	*	*	*	.0		.2	
	TOT %	.1	.2	.1	*	*	*	*	*	.0	.0	.5	
	0-3	*	*	.0	.0	.0	.0	*	*	.0	.0	.1	
2<5	4-10	.1	.1	.1	*	.1	*	*	*	.0		.4	
	11-21	.1	.1	.1	*	*	*	.1	.1	.0		.6	
	22+	.2	.1	.0	.0	*	*	.1	.1	.0		.5	
	TOT %	.3	.3	.1	*	.1	.1	.2	.3	.0	.0	1.5	
	0-3	.2	.2	.1	.1	.1	.1	.1	.2	.0	.5	1.6	
5<10	4-10	.9	1.2	.9	1.0	.6	.6	.6	.7	.0		6.4	
	11-21	1.3	1.2	.9	.7	.2	.4	.6	.7	.0		6.1	
	22+	.6	.9	.1	.1	*	.1	.2	.2	.0		2.2	
	TOT %	3.0	3.5	2.1	1.8	.9	1.2	1.5	1.8	.0	5	16.3	
	0-3	.7	.7	.7	.7	.7	.5	.6	.5	.0	2.6	7.7	
10+	4-10	5.2	6.6	6.8	6.9	4.8	4.2	3.6	4.5	.0		42.7	
	11-21	4.9	5.8	3.9	4.2	2.7	1.8	1.7	2.5	.0		27.7	
	22+	.9	1.2	.2	.3	.2	.1	.1	.2	.0		3.1	
	TOT %	11.7	14.2	11.7	12.2	8.3	6.6	6.0	7.9	0	2.6	81.2	
	TOT OBS												6855
	TOT PCT	15.2	18.4	14.0	14.1	9.4	8.0	7.8	10.1	.0	3.0	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.0	.1	.5	2.7	14.9	11.1	1.2	1.0	1.7	1.6	34.8	65.2	1640
06&09	.1	.0	1.0	1.3	12.1	9.2	1.3	.7	1.1	1.5	28.2	71.8	1655
12&15	.1	.0	.6	1.7	8.9	6.8	1.1	.9	1.0	2.4	23.5	76.5	1568
18&21	.1	.1	.4	1.7	10.6	11.0	1.2	.8	1.1	2.1	29.1	70.9	1599
TOT	4	2	42	119	752	617	77	54	80.	124	1871	4591	6462
PCT	.1	*	.6	1.8	11.6	9.5	1.2	.8	1.2	1.9	29.0	71.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.3	.3	.4	1.8	15.2	82.1	1639
06&09	.1	.4	.5	1.3	13.6	84.1	1650
12&15	.1	.2	.3	.8	16.1	82.6	1566
18&21	.3	.1	.2	1.5	18.2	79.7	1602
TOT	12	16	22	88	1016	5303	6457
PCT	.2	.2	.3	1.4	15.7	82.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.1	1.1	5.1	30.1	64.9	1639
06&09	.1	1.3	3.6	25.0	71.5	1650
12&15	.1	.9	3.1	20.5	76.4	1566
18&21	.4	1.1	3.6	25.8	70.6	1602
TOT	11	71	248	1640	4569	6457
PCT	.2	1.1	3.8	25.4	70.8	100.0

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1867-1971

AREA 0001 TONKIN GULF
18.3N 107.5E

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	*	.1	*	*	*	.0	10	.2
90/94	.0	.0	.0	.2	.8	.8	.2	*	130	2.0
85/89	.0	*	.6	1.2	3.4	12.4	6.7	.5	1614	24.9
80/84	.0	.0	.8	2.9	4.6	13.9	35.5	6.7	4171	64.3
75/79	.0	.0	.0	*	.3	.3	2.2	5.5	543	8.4
70/74	.0	.0	.0	.0	.0	*	.1	.2	18	.3
TOTAL	0	3	88	284	600	1783	2894	834	6486	100.0
PCT	.0	*	1.4	4.4	9.3	27.5	44.6	12.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	*	*	*	*	*	.0	*	.0	*
.3	.2	.2	.3	.2	.3	.2	.3	.0	.1
3.6	3.9	3.1	4.0	3.4	2.4	1.7	2.1	.0	.7
9.4	12.0	9.5	9.3	5.3	4.7	5.1	6.8	.0	2.2
1.9	2.1	.8	.6	.5	.6	1.0	.9	.0	.1
.2	*	.0	.0	.0	.0	*	*	.0	.0
15.5	18.1	13.7	14.2	9.4	8.0	8.0	10.1	.0	3.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	97	89	86	83	78	75	72	82.6	1726
06&09	96	93	90	84	79	76	71	84.4	1759
12&15	94	88	86	83	79	76	71	82.9	1690
18&21	88	86	85	82	78	76	72	82.0	1753
TOT	97	91	88	83	78	76	71	83.0	6928

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	4.9	7.7	24.8	46.6	16.0	80	1626
06&09	.0	7.3	13.8	40.2	31.2	7.5	76	1640
12&15	.0	6.5	8.3	27.0	47.4	10.8	79	1588
18&21	.0	4.5	7.1	17.9	53.5	17.1	82	1635
TOT	0	375	601	1783	2896	834	79	6489

SEPTEMBER

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1867-1971

AREA 0001 TONKIN GULF
18.3N 107.5E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	*	*	2	.0	*
11/13	.0	.0	.0	.0	*	.1	.1	14	.0	.2
9/10	.0	.0	.0	.0	*	.2	.1	30	.0	.4
7/8	.0	.0	*	*	.2	.4	.1	46	.0	.7
6	.0	.0	*	.2	.1	.3	.1	47	.0	.7
5	.0	.0	*	.5	.5	.3	*	91	.0	1.3
4	.0	.0	.1	.5	.7	.5	*	121	.0	1.8
3	.0	.0	.1	.9	1.2	.4	*	177	*	2.6
2	.0	.0	.4	2.4	1.9	.2	.0	328	.0	4.8
1	.0	.0	.3	3.2	3.1	.1	.0	455	.0	6.7
0	.0	.0	1.0	6.0	3.7	.1	.0	742	*	10.9
-1	.0	*	1.0	6.5	5.0	.2	.0	860	*	12.6
-2	.0	*	1.3	9.5	1.9	*	*	868	.0	12.7
-3	.0	*	1.4	9.1	2.3	*	.0	879	*	12.9
-4	*	*	2.0	6.2	1.3	.0	.0	653	*	9.6
-5	.0	.1	2.3	4.3	1.1	*	.0	544	*	8.0
-6	.0	.3	2.0	3.0	.2	.0	.0	374	.0	5.5
-7/-8	.0	.3	2.5	3.4	.1	*	.0	413	.0	6.1
-9/-10	*	.3	1.0	.4	*	.0	.0	114	.0	1.7
-11/-13	*	.1	.4	.1	*	.0	.0	43	.0	.6
-14/-16	.0	.1	.1	*	.0	.0	.0	9	.0	.1
TOTAL								6810		
PCT	.1	1.2	15.8	56.1	23.5	2.9	.5	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1971

SEPTEMBER

TABLE 18

AREA 0001 TONKIN GULF
18.3N 107.5E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.5	.0	.0	.0	.0	2.1
1-2	.1	3.7	3.4	.0	.0	.0	7.3
3-4	*	.7	2.8	.5	.0	.0	4.1
5-6	.0	.1	.5	.3	*	.0	.9
7	.0	*	.4	.4	.0	.0	.8
8-9	.0	.0	.1	.3	*	.0	.4
10-11	.0	.0	*	.3	*	.0	.3
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	*	*	*	.0	.1
17-19	.0	.0	.0	*	*	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	6.1	7.2	2.0	.1	.0	16.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.2	.1	.0	.0	.0	2.7
1-2	.2	4.3	3.2	.0	.0	.0	7.7
3-4	.1	.8	3.0	1.0	.0	.0	4.9
5-6	.0	*	.5	.6	*	.0	1.1
7	.0	*	.3	.3	*	.0	.7
8-9	.0	*	.1	.3	.0	.0	.5
10-11	.0	.0	*	.1	.0	.0	.1
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	.0	*	.0	*
17-19	.0	.0	.0	.0	*	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	7.4	7.2	2.3	.1	.0	17.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	2.4	.1	.0	.0	.0	3.1
1-2	.2	4.0	2.4	.0	.0	.0	6.7
3-4	.1	.7	1.7	.1	.0	.0	2.6
5-6	.0	*	.3	.1	.0	.0	.4
7	.0	*	.1	.1	.0	.0	.2
8-9	.0	*	.0	.0	.0	.0	*
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	7.2	4.6	.3	.0	.0	13.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	2.5	*	.0	.0	.0	2.9
1-2	.4	4.5	2.5	.0	.0	.0	7.5
3-4	.1	.9	1.6	.3	.0	.0	2.9
5-6	.0	*	.1	*	.0	.0	.2
7	.0	*	.1	.1	.0	.0	.2
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	*	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	8.0	4.5	.4	.0	.0	13.7

PERIOD: (OVER-ALL) 1963-1971

SEPTEMBER

TABLE 18

AREA 0001 TONKIN GULF
18.3N 107.5E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.9	*	.0	.0	.0	2.4
1-2	.4	3.0	1.8	.0	.0	.0	5.3
3-4	*	.5	1.0	.1	.0	.0	1.7
5-6	.0	.0	*	.0	.0	.0	*
7	.0	*	*	*	*	.0	.1
8-9	.0	.0	*	*	.0	.0	.1
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	*	.0	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	5.4	3.0	.2	*	.0	9.6

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.9	*	.0	.0	.0	2.4
1-2	.2	2.8	1.2	.0	.0	.0	4.3
3-4	.0	.4	.9	.1	.0	.0	1.4
5-6	.0	*	*	*	.0	.0	.1
7	.0	*	.1	*	*	.0	.1
8-9	.0	.0	*	*	.0	.0	*
10-11	.0	.0	.0	.1	*	.0	.1
12	.0	.0	*	.0	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	5.3	2.3	.3	.1	.0	8.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.6	.1	.0	.0	.0	2.0
1-2	.2	2.6	1.5	.0	.0	.0	4.3
3-4	*	.4	.8	.1	.0	.0	1.3
5-6	.0	.0	.1	*	.0	.0	.1
7	.0	.0	*	*	*	.0	.1
8-9	.0	.0	*	*	.0	.0	.1
10-11	.0	.0	*	*	*	.0	.1
12	.0	.0	*	*	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	4.5	2.5	.3	.1	.0	8.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.3	*	.0	.0	.0	2.4
1-2	.2	3.3	2.8	.0	.0	.0	6.4
3-4	*	.4	1.1	.3	.0	.0	1.8
5-6	.0	*	.2	.1	.0	.0	.3
7	.0	*	.1	.1	*	.0	.2
8-9	.0	.0	.1	*	*	.0	.2
10-11	.0	.0	*	*	.0	.0	*
12	.0	.0	*	.0	.0	.0	*
13-16	.0	.0	.0	.0	*	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	5.5	4.3	.6	.1	.0	11.3

SEPTEMBER

PERIOD: (OVER-ALL) 1963-1971

AREA 0001 TONKIN GULF-
18.3N 107.5E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.4	15.8	.3	.0	.0	.0	22.5	
1-2	2.1	28.1	18.8	.0	.0	.0	49.0	
3-4	.3	4.7	12.9	2.6	.0	.0	20.6	
5-6	.0	.2	1.6	1.2	*	.0	3.0	
7	.0	.2	1.1	1.1	.1	.0	2.5	
8-9	.0	*	.4	.8	*	.0	1.3	
10-11	.0	.0	.1	.5	.1	.0	.7	
12	.0	.0	.1	.2	.0	.0	.2	
13-16	.0	.0	*	*	.1	.0	.1	
17-19	.0	.0	.0	*	*	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	8.8	49.1	35.4	6.3	.4	.0	100.0	4519

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.2	39.2	19.3	2.5	2.2	.5	.3	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3476	3
6-7	.1	1.5	2.5	1.2	.8	.7	.3	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	370	4
8-9	.0	2	.3	.3	.3	.4	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	98	7
10-11	.0	.2	*	*	.1	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	4
12-13	.0	.0	.0	.1	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	6
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	12.2	6.6	2.7	.3	.3	.1	*	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1135	1
TOTAL	840	2430	1268	220	184	89	44	17	6	4	0	0	0	0	0	0	0	0	0	5102	2
PCT	16.5	47.6	24.9	4.3	3.6	1.7	.9	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1899-1971

AREA 0001 TONKIN GULF
18.5N 107.4E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			PRECIPITATION TYPE							OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W0 PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.6	.7	.1	.0	.0	.0	.0	1.4		.1	*	.3		*	12.8	
NE	1.2	.9	.2	.0	.0	.0	.0	2.3		.5	*	1.0		.0	20.4	
E	.6	.7	.1	.0	.0	.0	.0	1.4		.3	*	.4		*	15.5	
SE	.2	.2	*	.0	.0	.0	.0	.5		.0	.0	.1		.0	12.9	
S	.1	.1	*	.0	.0	.0	.0	.2		.2	.0	.1		.0	5.2	
SW	.1	*	.0	.0	.0	.0	.0	.1		*	.0	*		.0	1.5	
W	.1	*	*	.0	.0	.0	.0	.1		.0	.0	.1		.0	1.5	
NW	.1	.2	*	.0	.0	.0	.0	.3		*	.0	.1		.0	3.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	.0	*	.0	.0	.0	.0	.0	*		*	.0	.1		.0	1.5	
TOT OBS	211	197	33	0	0	0	0		439	141	5	157		4	6183	6922
TOT PCT	3.0	2.8	.5	.0	.0	.0	.0	6.3		2.0	.1	2.3		.1	89.3	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			PRECIPITATION TYPE							OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W0 PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	3.9	2.8	.4	.0	.0	.0	.0	7.1		.2	.1	2.4		.1	90.3	
06&09	2.2	2.2	.5	.0	.0	.0	.0	4.8		.0	.0	3.4		.1	91.7	
12&15	2.9	2.4	.5	.0	.0	.0	.0	5.8		3.2	.1	1.6		.1	88.3	
18&21	3.1	3.9	.6	.0	.0	.0	.0	7.6		4.7	.2	1.7		.0	86.0	
TOT	211	197	33	0	0	0	0		439	142	5	157		4	6192	6932
PCT	3.0	2.8	.5	.0	.0	.0	.0	6.3		2.0	.1	2.3		.1	89.3	

OCTOBER

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1899-1971

AREA 0001 TONKIN GULF
18.3N 107.4E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.6	6.1	9.7	3.2	.2	.0		19.7	14.4	20.2	19.1	19.9	22.4	21.3	19.3	17.2	19.0
NE	.6	8.3	17.3	7.1	.2	.0		33.4	15.7	35.0	36.4	33.3	31.6	34.2	34.4	30.3	33.8
E	.6	6.7	9.5	.9	.0	.0		17.7	12.2	16.2	16.0	16.8	18.9	19.0	18.3	20.1	14.7
SE	.5	5.6	7.7	.4	.0	.0		14.3	11.7	12.4	12.8	12.2	15.3	14.6	16.7	15.9	16.1
S	.4	2.6	2.3	.2	.0	.0		5.6	10.3	6.3	6.4	6.4	3.5	4.4	4.6	5.8	6.5
SW	.3	1.0	.3	*	.0	.0		1.7	7.8	2.1	.8	1.9	1.0	.9	.9	2.8	1.5
W	.2	1.1	.3	.0	.0	.0		1.7	7.2	2.0	1.7	2.2	1.7	1.2	1.0	1.8	1.1
NW	.3	2.4	1.5	.2	.0	.0		4.3	10.0	4.6	4.3	5.0	3.6	3.7	2.9	5.0	4.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.7							1.7	.0	1.3	2.6	2.3	2.0	.7	2.0	1.2	2.9
TOT OBS	356	2361	3404	828	26	0	6975		13.2	1192	534	1190	549	1193	549	1210	558
TOT PCT	5.1	33.8	48.8	11.9	.4	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.9	9.6	6.5	.8	.0		19.7	14.4	19.8	20.7	20.7	17.8
NE	3.0	15.4	13.5	1.5	*		33.4	15.7	35.4	32.8	34.2	31.4
E	2.5	11.5	3.6	.1	.0		17.7	12.2	16.1	17.5	18.8	18.4
SE	2.2	9.5	2.5	*	.0		14.3	11.7	12.5	13.2	15.3	16.0
S	1.5	3.3	.8	.0	.0		5.6	10.3	6.3	5.5	4.4	6.0
SW	.6	.9	.1	.0	.0		1.7	7.8	1.7	1.6	.9	2.4
W	.8	.8	.1	.0	.0		1.7	7.2	1.9	2.1	1.1	1.6
NW	1.3	2.5	.5	.1	.0		4.3	10.0	4.5	4.6	3.4	4.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.7						1.7	.0	1.7	2.2	1.1	1.7
TOT OBS	1148	3729	1919	177	2	6975		13.2	1726	1739	1742	1768
TOT PCT	16.5	53.5	27.5	2.5	*		100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1899-1971

AREA 0001 TONKIN GULF
18.3N 107.4E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.7	3.4	32.6	47.6	14.2	.5	.0	13.6	100.0	1726
06&09	2.2	3.9	34.9	46.4	10.4	.2	.0	12.7	100.0	1739
12&15	1.1	3.1	34.6	49.0	12.1	.2	.0	13.2	100.0	1742
18&21	1.7	3.3	33.3	50.2	10.9	.6	.3	13.1	100.0	1768
TOT	116	240	2361	3404	828	26	0	13.2		6975
PCT	1.7	3.4	33.8	48.8	11.9	.4	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.9	2.6	6.8	6.8		5.4
NE	7.1	4.3	11.9	9.8		5.3
E	4.2	2.9	5.9	4.1		4.9
SE	5.1	2.9	4.7	2.2		4.2
S	2.4	1.2	1.4	.6		3.6
SW	.6	.4	.5	.2		4.1
W	.4	.4	.5	.4		4.9
NW	1.1	.6	1.3	1.2		5.0
VAR	.0	.0	.0	.0		.0
CALM	.9	.3	.3	.2		3.0
TOT OBS	1643	999	2142	1639	6423	4.9
TOT PCT	25.6	15.6	33.3	25.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM) AND OCCURRENCE OF MM BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM ANY	MM MOT	TOTAL OBS
.0	.0	.1	.6	4.3	2.6	.2	.4	.3	.4	11.2		
*	.0	.2	.6	6.2	4.2	.3	.4	.4	.6	20.2		
.0	*	.1	.3	2.7	1.9	.1	.2	.1	.2	11.5		
.0	.0	*	.1	1.4	1.0	.1	.1	.1	.2	11.9		
.0	.0	.0	*	.4	.4	*	*	*	.1	4.7		
.0	.0	*	*	.1	.2	*	*	.0	*	1.2		
.0	.0	.0	.1	.2	.3	*	*	*	*	1.0		
.0	.0	*	.1	1.1	.5	*	*	.1	.1	2.3		
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
.0	.0	.0	*	.1	.1	*	.0	.0	.0	1.4		
1	1	23	120	1062	719	54	69	64	102	4208		6423
*	*	.4	1.9	16.5	11.2	.8	1.1	1.0	1.6	65.5		100.0

OCTOBER

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1899-1971

AREA 0001 TONKIN GULF
18.0N 107.4E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	2.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6
= OR >5000	3.2	3.7	3.7	3.7	3.7	3.7	3.7	3.7
= OR >3500	3.9	4.5	4.5	4.5	4.5	4.5	4.5	4.5
= OR >2000	13.4	15.7	15.7	15.7	15.7	15.7	15.7	15.7
= OR >1000	24.8	31.6	32.1	32.2	32.3	32.3	32.3	32.3
= OR >600	25.3	33.0	33.9	34.1	34.1	34.1	34.1	34.1
= OR >300	25.3	33.2	34.3	34.4	34.5	34.5	34.5	34.5
= OR >150	25.3	33.2	34.3	34.5	34.5	34.5	34.5	34.5
= OR > 0	25.3	33.2	34.3	34.5	34.5	34.5	34.5	34.5
TOTAL	1630	2134	2205	2216	2219	2221	2221	2221

TOTAL NUMBER OF OBS: 6431

PCT FREQ NH <5/8: 65.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
9.0	13.2	26.3	10.4	6.6	7.9	10.4	3.6	12.6	*	6445

PCR780: (PRIMARY) 1966-1971
(OVER-ALL) 1999-1971

AREA 0001 TONKIN GULF
18.3N 107.4E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	PCP	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	PCP	.1	.1	.0	*	.0	.0	.0	*	.0	.0	.3	
1<2	NO PCP	.0	.0	*	.0	*	.0	.0	.0	.0	.0	*	
	TOT %	.1	.1	*	*	*	.0	.0	*	.0	.0	.3	
	PCP	.3	.4	.2	*	.0	*	*	.1	.0	.0	1.0	
2<5	NO PCP	.1	.1	.2	.1	*	.0	.0	.0	.0	.1	.4	
	TOT %	.4	.5	.3	.1	*	*	*	.1	.0	.1	1.4	
	PCP	.6	1.1	.8	.3	.1	*	*	.2	.0	*	3.1	
5<10	NO PCP	2.9	4.6	2.1	1.0	.3	.1	.2	.5	.0	.5	12.2	
	TOT %	3.5	5.7	2.9	1.3	.4	.2	.3	.6	.0	.5	15.3	
	PCP	.3	.6	.4	.2	.1	.1	*	.1	.0	*	1.9	
10+	NO PCP	15.4	26.3	14.0	12.8	5.1	1.4	1.4	3.5	.0	1.0	81.0	
	TOT %	15.8	26.9	14.5	13.0	5.2	1.5	1.4	3.6	.0	1.0	82.9	
	TOT OBS												6922
	TOT PCT	19.8	33.3	17.7	14.3	5.6	1.7	1.7	4.3	.0	1.6	100.0	

OCTOBER

PERIOD (PRIMARY) 1966-1971
(BOTH-ALL) 1959-1971

TABLE 9

AREA 000: PERSIAN GULF
18 3N 107 4E

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	0	0	0	0	0	0	0	0	0	0	0	
	4-10	0	0	0	0	0	0	0	0	0		0	
	11-21	0	0	0	0	0	0	0	0	0		0	
	22+	0	0	0	0	0	0	0	0	0		0	
	*ALL	0	0	0	0	0	0	0	0	0	0	0	
1/2<1	0-3	0	0	0	0	0	0	0	0	0	0	0	
	4-10	0	0	0	0	0	0	0	0	0		0	
	11-21	0	0	0	0	0	0	0	0	0		0	
	22+	0	0	0	0	0	0	0	0	0		0	
	*ALL	0	0	0	0	0	0	0	0	0	0	0	
1<2	0-3	0	0	0	0	0	0	0	0	0	0	0	
	4-10	0	0	0	0	0	0	0	0	0		0	
	11-21	0	0	0	0	0	0	0	0	0		0	
	22+	0	0	0	0	0	0	0	0	0		0	
	*ALL	0	0	0	0	0	0	0	0	0	0	0	
2<5	0-3	1	0	0	0	0	0	0	0	0	1	0	
	4-10	2	0	0	0	0	0	0	0	0		2	
	11-21	4	0	0	0	0	0	0	0	0		4	
	22+	5	0	0	0	0	0	0	0	0		5	
	*ALL	6	0	0	0	0	0	0	0	0	1	6	
5<10	0-3	2	0	0	2	0	0	0	0	0	5	0	
	4-10	5	0	0	5	0	0	0	0	0		4	
	11-21	6	0	0	5	0	0	0	0	0		6	
	22+	5	0	0	3	0	0	0	0	0		3	
	*ALL	7	0	0	3	0	0	0	0	0	5	15	3
10+	0-3	4	0	0	3	0	0	0	0	0	0	0	
	4-10	5	0	0	4	0	0	0	0	0		3	2
	11-21	3	0	0	2	0	0	0	0	0		29	3
	22+	1	0	0	0	0	0	0	0	0		42	0
	*ALL	15	0	0	9	0	0	0	0	0	0	82	6
	*ALL OBS	26	14	5	12	5	2	4	3	0			
	*ALL PCT	19	7	33	4	17	7	14	2	5	6	100	0	5958

OCTOBER

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1899-1971

AREA 0001 TONKIN GULF
18.3N 107.4E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.1	.0	.5	2.1	18.9	12.9	1.0	1.3	1.3	1.6	39.8	60.2	1637
06&09	.0	.0	.4	1.8	16.2	11.7	.7	.8	.9	1.3	33.8	66.2	1631
12&15	.0	.1	.2	1.5	15.5	7.8	.8	1.1	.6	1.7	29.3	70.7	1572
18&21	.0	.0	.2	2.0	15.4	12.4	.8	1.1	1.2	1.7	34.8	65.2	1601
TOT	1	1	23	120	1054	723	54	69	64	102	2221	4220	6441
PCT	*	*	.4	1.9	16.5	11.2	.8	1.1	1.0	1.6	34.5	65.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	1	.1	.2	1.6	13.2	84.8	1637
06&09	.1	.1	.1	1.2	13.1	85.4	1627
12&15	.1	.0	.3	1.1	15.4	83.2	1569
18&21	.0	0	.1	1.5	16.6	81.9	1600
TOT	3	3	11	87	935	5394	6433
PCT	*	*	.2	1.4	14.5	83.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.1	.7	3.7	36.4	59.9	1637
06&09	.0	.6	3.2	31.1	65.7	1627
12&15	.1	.4	2.8	26.8	70.4	1569
18&21	.0	.3	3.3	31.8	65.0	1600
TOT	3	31	208	2030	4195	6433
PCT	*	.5	3.2	31.6	65.2	100.0

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1899-1971

AREA 0001 TONKIN GULF
18.3N 107.4E

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	*	.2	.2	.1	.0	35	.5
85/89	.0	.0	*	.5	1.0	2.1	1.1	*	308	4.8
80/84	.0	.0	.1	1.2	9.1	23.6	19.8	4.1	3747	58.0
75/79	.0	.0	.2	1.2	5.2	12.7	9.1	4.7	2143	33.1
70/74	.0	.0	.0	.0	.1	.9	1.5	1.0	229	3.5
65/69	.0	.0	.0	.0	.0	*	.0	*	3	*
TOTAL	0	0	21	190	1016	2529	2044	635	6465	100.0
PCT	.0	.0	.3	2.9	15.7	39.6	31.6	9.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.1	.1	.1	.1	.1	*	.0	*	.0	*
	.6	.9	.8	1.2	.8	.1	.1	.1	.0	.2
	8.2	18.1	12.0	11.4	4.1	.9	.6	1.9	.0	.8
	9.6	13.2	4.0	2.0	.6	.5	.8	2.0	.0	.5
	1.6	1.2	.1	*	.0	*	.1	.3	.0	.0
	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
	20.2	33.5	17.1	14.7	5.5	1.6	1.6	4.3	.0	1.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	93	86	84	80	74	71	67	80.0	1729
06&09	94	91	88	82	75	72	70	81.5	1731
12&15	89	85	83	80	75	72	66	79.9	1744
18&21	89	83	83	80	75	72	66	79.3	1772
TOT	94	88	85	80	75	72	66	80.2	6976

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	3.3	16.5	38.2	31.3	10.6	78	1622
06&09	.0	5.9	24.4	41.5	22.8	5.4	74	1600
12&15	.0	2.2	12.8	40.3	34.9	9.7	78	1614
18&21	.0	1.6	9.4	38.3	37.3	13.4	80	1639
TOT	0	211	1019	2563	2047	635	78	6475

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1899-1971

AREA 0001 TONKIN GULF
18.3N 107.4E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.0	.2	.1	*	*	25	.0	.4
9/10	.0	.0	.0	*	.5	*	.1	*	42	.0	.6
7/8	.0	.0	.0	.2	.2	.2	.3	.0	61	*	.9
6	.0	.0	*	*	*	.1	.1	.0	21	.0	.3
5	.0	.0	*	*	.1	.4	.1	.0	45	.0	.7
4	.0	.0	.0	.1	.5	.5	.1	.0	90	.0	1.3
3	.0	.0	.0	.1	.7	.6	.1	.0	100	.0	1.5
2	.0	.0	*	.5	2.0	.6	*	.0	217	.0	3.2
1	.0	.0	.1	.3	2.8	.9	.0	.0	283	*	4.1
0	.0	*	.2	2.2	5.8	.4	.0	.0	592	.0	8.6
-1	.0	*	*	3.5	7.4	.5	.0	.0	782	.0	11.4
-2	.0	*	.3	7.2	7.7	.1	.0	.0	1055	.0	15.3
-3	.0	.0	.3	8.2	7.4	.1	.0	.0	1097	.0	15.9
-4	*	.1	1.3	8.2	3.9	.0	.0	.0	929	*	13.5
-5	.0	*	1.0	5.8	2.4	.0	.0	.0	634	*	9.2
-6	.0	*	1.7	3.4	.4	.0	.0	.0	376	.0	5.5
-7/-8	.1	.3	2.5	2.3	.1	.0	.0	.0	357	.0	5.2
-9/-10	.0	.4	.8	.5	*	.0	.0	.0	119	.0	1.7
-11/-13	.0	.4	.3	.0	.0	.0	.0	.0	49	.0	.7
-14/-16	*	*	.1	.0	.0	.0	.0	.0	9	.0	.1
TOTAL									6883		
PCT	.1	1.4	8.6	42.7	42.1	4.4	.8	.1	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1971

OCTOBER

TABLE 18

AREA 0001 TONKIN GULF
18.3N 107.4E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.1	.0	.0	.0	.0	1.3
1-2	.2	3.8	3.8	.0	.0	.0	7.8
3-4	.0	.9	4.3	1.2	.0	.0	6.5
5-6	.0	.1	1.2	.5	.0	.0	1.8
7	.0	*	.9	.8	.0	.0	1.7
8-9	.0	.0	.3	.5	*	.0	.9
10-11	.0	.0	.2	.4	.1	.0	.6
12	.0	.0	*	.2	*	.0	.3
13-16	.0	.0	.0	.2	.1	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	6.0	10.7	3.8	.2	.0	21.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.5	.1	.0	.0	.0	1.9
1-2	.2	4.7	6.9	.0	.0	.0	11.8
3-4	*	1.6	7.8	2.8	.0	.0	12.1
5-6	.0	.1	2.4	1.8	.0	.0	4.3
7	.0	*	1.0	1.5	*	.0	2.6
8-9	.0	*	.3	1.1	*	.0	1.4
10-11	.0	*	.1	.4	.1	.0	.7
12	.0	.0	*	.1	.0	.0	.1
13-16	.0	.0	.0	.1	.1	0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	8.0	18.5	7.8	.2	.0	34.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.2	.1	.0	.0	.0	1.4
1-2	.2	3.5	4.1	.0	.0	.0	7.8
3-4	.1	.9	4.6	.5	.0	.0	5.9
5-6	.0	.2	.6	.3	.0	.0	1.1
7	.0	.0	.4	.1	.0	.0	.5
8-9	.0	*	.1	*	.0	.0	.1
10-11	.0	.0	*	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	5.7	9.8	.9	.0	.0	16.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.6	*	.0	.0	.0	1.7
1-2	.1	3.1	4.6	.0	.0	.0	7.8
3-4	*	.7	3.3	.4	.0	.0	4.4
5-6	.0	*	.2	*	.0	.0	.2
7	*	.0	*	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	5.4	8.1	.4	.0	.0	14.2

PERIOD (OVER-ALL) 1963-1971

OCTOBER

TABLE 18

AREA 0001 TONKIN GULF
18.3N 107.4E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2	8	1	0	.0	0	1.1
1-2	1	1 3	1 4	0	.0	.0	2.8
3-4	0	2	7	1	.0	0	1 0
5-6	0	0	0	0	.0	0	0
7	0	0	0	0	0	0	0
8-9	0	0	0	0	.0	.0	0
10-11	0	0	0	0	0	.0	0
12	0	0	0	0	0	.0	0
13-16	0	0	0	0	0	0	0
17-19	0	0	0	0	0	0	.0
20-22	0	0	0	0	0	0	0
23-25	0	0	0	0	0	0	0
26-32	0	0	0	0	0	0	.0
33-40	0	0	0	0	0	0	0
41-48	0	0	0	0	0	0	.0
49-60	0	0	0	0	0	0	0
61-70	0	0	0	0	0	0	0
71-86	0	0	0	0	0	0	0
87+	0	0	0	0	0	0	0
"S" PCT	3	2 3	2 2	1	0	0	4 9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.4	0	.0	.0	.0	.5
1-2	.1	.6	.1	0	.0	.0	.9
3-4	.0	*	.1	.0	0	0	.1
5-6	0	*	.0	.0	.0	.0	*
7	0	.0	.0	0	.0	.0	.0
8-9	.0	.0	.0	.0	0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	0	.0	.0	.0
17-19	.0	0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	0	.0	0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	0	.0	0	.0
49-60	0	.0	.0	0	.0	.0	.0
61-70	.0	0	.0	.0	0	.0	.0
71-86	0	0	.0	.0	.0	.0	.0
87+	.0	.0	.0	0	0	.0	.0
"SW" PCT	.3	1 0	.2	.0	.0	.0	1.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1	3	0	0	0	0	4
1-2	1	6	2	0	0	0	9
3-4	*	1	*	0	0	0	2
5-6	0	0	*	0	0	0	*
7	0	0	0	0	0	0	0
8-9	0	0	0	0	0	0	.0
10-11	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0
13-16	0	0	0	0	0	0	0
17-19	0	0	0	0	0	.0	0
20-22	0	0	0	0	0	0	0
23-25	0	0	0	0	0	0	0
26-32	0	0	0	0	0	0	0
33-40	0	0	0	0	0	0	0
41-48	0	0	0	0	0	0	0
49-60	0	0	0	0	0	.0	0
61-70	0	0	0	0	0	0	0
71-86	0	0	0	0	0	0	0
87+	0	0	0	0	0	0	0
TOT PCT	2	1 0	3	0	0	0	1 5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1	7	.0	.0	0	.0	.8
1-2	1	1 4	.8	.0	0	.0	2.3
3-4	0	2	.6	.1	.0	.0	.9
5-6	0	.1	.1	*	0	.0	.2
7	*	*	.1	*	.0	.0	.1
8-9	0	.0	0	.1	.0	.0	.1
10-11	0	.0	0	.0	.0	.0	.0
12	0	.0	.0	.0	.0	.0	.0
13-16	0	0	.0	*	.0	.0	*
17-19	0	0	.0	.0	.0	.0	.0
20-22	0	0	.0	.0	.0	.0	.0
23-25	0	0	0	.0	.0	.0	0
26-32	0	0	.0	0	.0	.0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	0	.0	.0	0	.0	.0	.0
49-60	0	.0	.0	0	.0	.0	.0
61-70	0	.0	.0	.0	0	.0	.0
71-86	0	.0	0	.0	0	.0	.0
87+	0	.0	.0	.0	0	.0	.0
TOT PCT	2	2 4	1.6	.2	.0	.0	4.4

OCTOBER

PERIOD: (OVER-ALL) 1963-1971

AREA 0001 TONKIN GULF
18.3N 107.4E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.0	7.6	.4	.0	.0	.0	10.0	
1-2	1.1	19.0	21.8	.0	.0	.0	41.9	
3-4	.1	4.6	21.4	5.0	.0	.0	31.1	
5-6	.0	.4	4.4	2.8	.0	.0	7.6	
7	*	.1	2.4	2.4	*	.0	5.0	
8-9	.0	*	.7	1.7	*	.0	2.5	
10-11	.0	*	.3	.8	.2	.0	1.3	
12	.0	.0	.1	.3	*	.0	.4	
13-16	.0	.0	.0	.3	.1	.0	.4	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								4759
TOT PCT	3.3	31.7	51.4	13.1	.4	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.1	29.2	26.3	6.3	4.3	1.5	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3750	3
6-7	.0	1.3	4.4	2.1	1.8	1.1	1.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	821	5
8-9	.0	.3	.6	.3	.9	.4	.5	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	166	7
10-11	.0	*	.3	.1	.3	.1	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	73	8
12-13	.0	.0	.1	*	*	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	6
>13	.0	.0	.0	0	.0	.0	*	*	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	3	14
INDET	4.2	4.6	2.3	.4	.1	.2	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	624	2
TOTAL	383	1854	1781	485	394	169	117	31	30	1	1	0	0	0	0	0	0	0	0	5246	3
PCT	7.3	35.3	33.9	9.2	7.5	3.2	2.2	.6	.6	*	*	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1859-1971

AREA 0001 TONKIN GULF
18.3N 107.5E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

		PRECIPITATION TYPE								OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG	DUST SNPN	NO SIG WEA	TOTAL OBS
N	1.0	.7	.4	.0	.0	.0	.0	2.2		.0	*	.4	.1		22.1	
NE	1.1	.9	.6	.0	.0	.0	.0	2.6		*	.1	1.4	*		34.1	
E	.2	.3	.2	.0	.0	0	.0	.7		.1	*	.5	*		17.6	
SE	.1	.2	*	.0	.0	.0	.0	.3		*	*	.2	.0		7.6	
S	*	.1	*	.0	.0	.0	.0	.1		.0	.0	.1	.0		1.7	
SW	.1	*	.1	.0	.0	.0	.0	.1		*	.0	*	.0		.9	
W	*	*	.0	.0	.0	.0	.0	.1		*	.0	.0	.0		1.6	
NW	.1	.1	.1	.0	.0	.0	.0	.3		.0	.0	.2	.0		4.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0	
CALM	*	.0	.0	.0	.0	.0	.0	*		.0	.0	.1	.0		.6	
TOT OBS	152	135	79	0	0	0	0		363	8	10	162	7		5108	5658
TOT PCT	2.7	2.4	1.4	.0	.0	.0	.0	6.4		.1	.2	2.9	.1		90.3	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

		PRECIPITATION TYPE								OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	3.3	3.1	.9	.0	.0	.0	.0	7.2		.0	.0	2.5	.1		90.1	
06&09	2.5	1.5	1.5	.0	.0	.0	.0	5.5		.0	.2	4.7	.0		89.5	
12&15	1.9	1.9	1.1	.0	.0	.0	.0	4.9		.1	.1	2.7	.1		92.1	
18&21	3.0	3.2	2.0	.0	.0	.0	.0	8.1		.4	.4	1.5	.2		89.4	
TOT	152	135	79	0	0	0	0		363	8	10	162	7		5109	5659
PCT	2.7	2.4	1.4	.0	.0	.0	.0	6.4		.1	.2	2.9	.1		90.3	

NOVEMBER

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1859-1971

AREA 0001 TONKIN GULF
18.3N 107.5E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.5	7.3	12.4	3.9	.4	.0		24.5	14.9	21.4	21.3	25.2	29.6	26.5	26.5	22.0	26.3
NE	.5	9.5	19.3	8.4	.9	.0		38.5	16.3	39.7	44.9	38.3	36.2	39.0	37.6	37.3	34.8
E	.5	6.2	10.8	1.5	*	.0		19.1	13.0	19.4	18.8	18.8	16.6	19.6	17.4	19.5	20.9
SE	.3	3.2	4.4	.2	.0	.0		8.2	11.5	8.9	6.3	7.5	8.2	7.1	8.8	9.8	8.0
S	.2	1.1	.6	*	.0	.0		1.9	8.3	2.2	1.5	1.5	1.3	1.6	2.8	2.4	1.5
SW	.2	.8	.1	*	.0	.0		1.1	7.1	1.2	.3	1.4	.9	1.0	.6	1.5	1.2
W	.3	1.0	.4	.0	.0	.0		1.7	7.7	2.0	1.4	1.6	1.2	1.3	1.0	2.4	1.4
NW	.4	2.6	1.3	.2	.0	.0		4.5	9.8	4.4	4.9	5.3	5.0	3.3	4.5	4.3	5.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7							.7	.0	.8	.4	.4	1.1	.6	.8	.8	.9
TOT OBS	200	1846	2866	822	77	0	5811		14.1	980	455	1025	457	994	442	1006	452
TOT PCT	3.4	31.8	49.3	14.1	1.3	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	2.5	12.9	7.4	1.6	*		24.5	14.9	21.4	26.6	26.5	23.4
NE	3.2	18.4	13.2	3.7	*		38.5	16.3	41.3	37.6	38.5	36.5
E	2.4	11.8	4.7	.2	.0		19.1	13.0	19.2	18.1	19.0	20.0
SE	1.4	5.5	1.3	*	.0		8.2	11.5	8.1	7.7	7.6	8.2
S	.8	1.0	.1	.0	.0		1.9	8.3	2.0	1.5	1.9	2.1
SW	.6	.5	*	.0	.0		1.1	7.1	.9	1.2	.8	1.4
W	.7	.9	*	.0	.0		1.7	7.7	1.8	1.5	1.2	2.1
NW	1.4	2.6	.4	.1	.0		4.5	9.8	4.6	5.2	3.7	4.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.7						.7	.0	.7	.6	.7	.8
TOT OBS	789	3119	1579	320	4	5811		14.1	1435	1482	1436	1458
TOT PCT	13.6	53.7	27.2	5.5	.1		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1966-1971
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AREA 0001 TONKIN GULF
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.7	2.1	27.8	50.9	17.4	1.2	.0	14.8	100.0	1435
06&09	.6	2.3	33.7	49.9	11.9	1.5	.0	13.9	100.0	1402
12&15	.7	3.0	33.3	48.5	13.0	1.5	.0	13.9	100.0	1436
18&21	.8	3.6	32.2	47.9	14.3	1.2	.0	13.9	100.0	1458
TOT	41	159	1846	2866	822	77	0	14.1		5811
PCT	.7	2.7	31.8	49.3	14.1	1.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	5.9	3.2	7.9	8.1		5.2
NE	9.6	4.3	11.3	12.8		5.2
E	5.9	3.0	7.4	2.5		4.4
SE	2.9	1.8	2.8	.8		4.1
S	.9	.3	.4	.4		3.9
SW	.4	.2	.3	.3		4.5
W	.4	.3	.8	.2		5.0
NW	1.1	.7	1.6	1.0		4.9
VAR	.0	.0	.0	.0		.0
CALM	.2	.2	.2	.1		4.4
TOT OBS	1446	737	1731	1391	5305	4.9
TOT PCT	27.3	13.9	32.6	26.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM)4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY WGT	TOTAL OBS
N	*	*	.3	.9	6.2	3.1	.4	.1	.2	.3	13.4	
NE	*	*	.5	1.4	10.0	5.3	.4	.4	.4	.5	19.0	
E	.0	*	.1	.2	2.8	2.7	.2	.2	.2	.3	12.2	
SE	.0	.0	*	.1	1.1	.8	.1	*	.1	*	5.9	
S	.0	.0	*	*	.4	.2	.0	*	.0	*	1.3	
SW	.0	.0	*	.0	.3	.1	*	*	.0	.0	.7	
W	.0	.0	*	*	.3	.2	*	*	*	*	1.0	
NW	.0	*	*	.1	.7	.4	.1	.1	.1	.1	2.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.1	*	*	.0	.1	*	.5	
TOT OBS	2	4	51	144	1165	688	64	47	61	68	3011	5305
TOT PCT	*	.1	1.0	2.7	22.0	13.0	1.2	.9	1.1	1.3	56.8	100.0

PCR:80: (PRIMARY) 1966-1971
(OVER-ALL) 1859-1971

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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	2.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4
= OR >5000	2.7	3.3	3.3	3.3	3.3	3.3	3.3	3.3
= OR >3500	3.7	4.5	4.5	4.5	4.5	4.5	4.5	4.5
= OR >2000	12.9	17.3	17.4	17.5	17.5	17.5	17.5	17.5
= OR >1000	25.8	38.3	39.2	39.4	39.5	39.5	39.5	39.5
= OR >600	26.8	40.6	41.8	42.1	42.2	42.2	42.2	42.2
= OR >300	27.0	41.3	42.7	43.1	43.1	43.1	43.1	43.1
= OR >150	27.1	41.4	42.7	43.1	43.2	43.2	43.2	43.2
= OR > 0	27.1	41.4	42.7	43.1	43.2	43.2	43.3	43.3
TOTAL	1437	2195	2267	2289	2293	2293	2295	2295

TOTAL NUMBER OF OBS: 5305 PCT FREQ NH <5/8: 56.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
9.6	10.6	21.5	9.0	6.1	7.7	11.8	5.4	18.3	.1	5312

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PERIOD: (PRIMARY) 1966-1971
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	PCP	.1	*	.0	.0	.0	.0	.0	*	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	*	.0	.0	.0	.0	.0	*	.0	.0	.1	
1<2	PCP	.2	.1	*	*	.0	.0	.0	.0	.0	*	.4	
	NO PCP	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	TOT %	.2	2	*	*	.0	.0	.0	.0	.0	*	.4	
2<5	PCP	.5	.6	.2	*	*	*	.0	.1	.0	.0	1.3	
	NO PCP	.1	.2	*	*	.1	.0	.0	*	.0	.0	.4	
	TOT %	.6	.7	.2	*	.1	*	.0	.1	.0	.0	1.7	
5<10	PCP	1.1	1.3	.4	.1	.1	.1	.1	.2	.	.0	3.3	
	NO PCP	4.7	7.4	2.7	.7	.2	.2	.3	.7	.	.1	17.0	
	TOT %	5.8	8.7	3.1	.9	.3	.3	.4	.9	.	.1	20.3	
10+	PCP	.4	.4	.2	.1	*	.1	*	.1	.0	.0	1.3	
	NO PCP	17.9	28.0	15.5	7.1	1.5	.8	1.3	3.5	.0	.6	76.1	
	TOT %	18.3	28.4	15.6	7.2	1.5	.8	1.3	3.6	.0	.6	77.4	
	TOT OBS												5658
	TOT PCT	24.8	36.1	18.9	8.1	1.9	1.1	1.7	4.6	.0	.7	100.0	

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PERIOD: (PRIMARY) 1966-1971
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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	*	.0	.0	.0	.0	.0	.0	.0		*	
	11-21	*	*	.0	.0	.0	.0	.0	.0	.0		.1	
	22+	0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	*	*	.0	.0	.0	.0	.0	*	.0		*	
	11-21	*	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	*	*	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.1	.1	.0	.0	.0	.0	.0	*	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
1<2	4-10	*	*	.1	*	.0	.0	.0	.0	.0		.1	
	11-21	.1	.1	*	.0	.0	.0	.0	*	.0		.2	
	22+	.1	.1	*	.0	.0	.0	.0	.0	.0		.2	
	TOT %	.2	.2	.1	*	.0	.0	.0	*	.0	*	.6	
	0-3	*	*	.0	.0	*	*	.0	.0	.0	.0	.1	
2<5	4-10	*	.1	.1	*	.1	*	.0	.1	.0		.4	
	11-21	.4	.4	.1	*	*	.0	.0	*	.0		1.0	
	22+	.2	.4	*	.0	.0	.0	.0	*	.0		5	
	TOT %	.6	1.0	.2	*	.1	*	.0	.1	.0	.0	2.0	
	0-3	.1	.1	.1	.1	.1	.1	1	.1	.0	.1	.8	
5<10	4-10	1.0	1.2	1.1	.4	.2	.1	.2	.5	.0		4.7	
	11-21	2.6	4.1	1.5	.4	*	.1	.1	.2	.0		9.0	
	22+	2.1	3.5	.3	.1	.0	*	.0	.1	.0		6.1	
	TOT %	5.7	9.0	3.1	.9	.3	.3	.3	.9	.0	.1	20.6	
	0-3	.4	.3	.3	.2	.1	.1	.2	.3	.0	.6	2.5	
10+	4-10	6.3	3.0	4.9	2.7	.9	.7	.8	2.1	.0		26.4	
	11-21	9.4	14.7	9.1	4.0	.5	*	.3	1.1	.0		39.2	
	22+	2.0	5.1	1.1	.2	*	.0	.0	.1	.0		8.5	
	TOT %	18.1	28.1	15.5	7.2	1.5	.8	1.3	3.6	.0	.6	76.6	
	TOT OBS												5726
	TOT PCT	24.6	38.4	19.0	8.1	1.9	1.1	1.7	4.5	.0	.7	100.0	

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PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1859-1971

AREA 0001 TONKIN GULF
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.1	.0	1.3	3.3	24.3	12.5	2.1	.9	1.0	1.0	47.0	53.0	1344
06&09	.1	.1	.9	3.4	21.8	12.0	1.0	1.0	1.1	1.0	42.3	57.7	1358
12&15	.0	.1	.5	2.4	19.9	12 9	.8	.9	1.6	1.5	40.4	59.6	1290
18&21	.0	.1	.7	1.7	21.7	14.5	1.0	.8	.9	1.7	43.1	56.9	1315
TOT	2	4	51	144	1166	688	54	47	61	68	2295	3012	5307
PCT	*	.1	1.0	2.7	22.0	13.0	1.2	.9	1.1	1.3	43.2	56.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.2	.8	2.2	18.8	78.0	1347
06&09	.1	.1	.4	1.3	16.4	81.7	1358
12&15	.0	.0	.2	1.2	22.3	76.2	1289
18&21	.1	.1	.2	1.3	22.5	75.8	1316
TOT	2	5	23	80	1060	4140	5310
PCT	*	.1	.4	1.5	20.0	78.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.4	2.3	7.2	40.1	52.7	1347
06&09	.1	1.2	5.5	36.8	57.7	1358
2&15	.0	.5	4.3	36.4	59.3	1289
18&21	.1	.9	3.5	39.7	56.8	1316
TOT	7	66	273	2032	3005	5310
PCT	.1	1.2	5.1	38.3	56.6	100.0

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1959-1971

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18.3N 107.5E

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	*	.0	.0	.0	.0	1	*
85/89	.0	.0	*	.2	.2	.4	.2	*	55	1.0
80/84	.0	*	*	1.4	3.5	6.8	5.0	.8	948	17.6
75/79	.0	*	.4	2.2	7.6	22.0	20.4	6.1	3059	56.8
70-74	.0	.0	.9	2.0	2.6	4.3	5.5	4.2	1046	19.5
65/69	.0	.0	.0	.3	.5	.5	.7	.9	158	2.9
60/64	.0	.0	.0	.0	*	.0	.1	.1	8	.1
TOTAL	0	2	75	328	779	1831	1709	651	5375	100.0
PCT	.0	*	1.4	6.1	14.5	34.1	31.8	12.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	*	.0	.0
.2	.3	.3	.1	*	*	*	.1	.0	.0
2.4	4.4	5.0	3.8	>	.2	.2	.8	.0	.1
13.6	22.0	12.4	4.2	1.2	.8	1.2	2.9	.0	.5
7.7	9.2	1.2	.2	.1	.1	.2	.7	.0	.1
1.0	1.8	.1	.0	.0	.0	.0	.1	.0	.0
.1	.1	.0	.0	.0	.0	.0	*	.0	.0
24.9	37.8	19.0	8.3	1.9	1.1	1.7	4.6	.0	.7

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	83	81	77	70	66	63	76.5	1431
06&09	90	87	84	78	71	67	61	77.8	1473
12&15	87	82	80	77	70	66	61	76.2	1434
18&21	84	81	80	76	70	66	63	75.8	1454
TOT	90	84	82	77	70	66	61	76.6	5792

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	8.2	14.1	33.0	31.3	13.4	77	1345
06&09	.0	10.7	19.5	36.4	25.7	7.6	74	1317
12&15	.0	6.3	12.2	35.3	34.7	11.5	78	1327
18&21	.0	4.9	12.0	31.4	35.6	16.1	79	1349
TOT	0	405	779	1831	1710	651	77	5376

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PERIOD: (PRIMARY) 1966-1971
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.0	.0	.0	*	*	3	.0	.1
9/10	.0	.0	.0	.0	*	*	.1	.0	6	.0	.1
7/8	.0	.0	.0	.0	*	*	.3	*	22	.0	.4
6	.0	.0	.0	.0	*	.1	.1	.0	13	.0	.2
5	.0	.0	.0	*	.1	.3	.2	*	35	.0	.6
4	.0	.0	.0	.0	.1	.4	.1	.0	34	.0	.6
3	.0	.0	.0	*	.5	.8	.1	.0	75	.0	1.3
2	.0	.0	.0	.3	1.0	.9	.1	.0	129	.0	2.3
1	.0	.0	.0	.4	1.5	1.2	*	.0	179	.0	3.2
0	.0	.0	.1	.7	5.0	1.1	.0	.0	387	*	6.9
-1	.0	.0	*	.9	6.0	1.6	*	.0	481	.0	8.6
-2	.0	.0	.4	2.9	7.4	1.1	.0	.0	659	*	11.7
-3	.0	*	.2	3.5	9.6	.8	.0	.0	795	*	14.1
-4	.0	.1	.6	8.2	6.4	.3	.0	.0	765	*	13.6
-5	*	.1	.7	5.4	5.5	.1	.0	.0	663	.1	11.7
-6	.0	.1	.8	4.6	2.1	*	.0	.0	428	.0	7.6
-7/-8	*	.4	2.4	5.3	1.1	.0	.0	.0	519	*	9.2
-9/-10	*	.4	2.2	1.8	.1	.0	.0	.0	257	*	4.6
-11/-13	.1	.4	1.8	.4	.0	.0	.0	.0	149	.0	2.7
-14/-16	*	.2	.1	*	.0	.0	.0	.0	20	.0	.4
-17/-19	*	.0	.0	.0	.0	.0	.0	.0	2	.0	*
TOTAL									5621		
PCT	.2	1.8	9.4	32.4	46.5	8.7	.9	.1	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1971

NOVEMBER

TABLE 18

AREA 0001 TONKIN GULF
18.3N 107.5E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.6	*	.0	.0	.0	1.7
1-2	.2	3.9	4.1	.0	.0	.0	8.3
3-4	*	1.3	5.9	1.0	.0	.0	8.2
5-6	.0	.2	1.3	.8	.1	.0	2.4
7	.0	.2	1.3	.9	.1	.0	2.5
8-9	.0	*	.4	.9	.1	.0	1.5
10-11	.0	.0	.2	.2	.2	.0	.6
12	.0	*	.1	.1	.1	.0	.4
13-16	.0	.0	.1	.1	.0	.0	.2
17-19	.0	.0	.0	*	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	7.2	13.5	4.3	.5	.0	25.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.7	.1	.0	.0	.0	1.9
1-2	.2	4.9	6.6	.0	.0	.0	11.7
3-4	*	1.8	9.1	2.6	.0	.0	13.5
5-6	.0	.1	2.1	1.8	.1	.0	4.2
7	.0	*	1.4	2.4	.2	.0	4.0
8-9	.0	*	.5	1.5	.4	.0	2.4
10-11	.0	.0	.1	.6	.2	.0	.9
12	.0	*	.1	.4	.1	.0	.6
13-16	.0	.0	.1	*	.1	.0	.2
17-19	.0	.0	.0	.1	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	8.6	20.0	9.4	1.1	.0	39.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.4	.1	.0	.0	.0	1.7
1-2	.1	2.9	3.9	.0	.0	.0	6.9
3-4	*	1.0	6.2	.6	.0	.0	7.8
5-6	0	.1	.6	.4	.0	.0	1.1
7	.0	*	.3	.2	.0	.0	.5
8-9	.0	.0	*	.1	*	.0	.2
10-11	.0	.0	*	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	5.4	11.1	1.3	*	.0	18.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.7	*	.0	.0	.0	.8
1-2	.1	1.9	2.6	.0	.0	.0	4.6
3-4	.1	.3	1.8	.2	.0	.0	2.3
5-6	.0	.0	.1	*	.0	.0	.1
7	.0	.0	*	*	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	*	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.9	4.5	.2	.0	.0	7.8

PERIOD: (OVER-ALL) 1963-1971

NOVEMBER

TABLE 18

AREA 0001 TONKIN GULF
18.3N 107.5E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.0	.0	.5
1-2	*	.4	.4	.0	.0	.0	.8
3-4	.0	.1	.1	*	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	0	.0	.0	.0	.0	.0
71-86	.0	0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.9	.4	*	.0	.0	1.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.3	*	.0	.0	.0	.3
1-2	.1	.3	.1	.0	.0	.0	.5
3-4	.0	*	*	.0	.0	.0	*
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.6	.1	.0	.0	.0	.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	*	.0	.0	.0	.5
1-2	.1	.6	.3	.0	.0	.0	.9
3-4	.0	.1	.1	.0	.0	.0	.2
5-6	.0	.0	0	.0	.0	.0	.0
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.0	.4	.0	.0	.0	1.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.5	.0	.0	.0	.0	.6
1-2	.2	1.7	.6	.0	.0	.0	2.5
3-4	*	.3	.5	*	.0	.0	.9
5-6	.0	.1	.1	.1	.0	.0	.2
7	.0	.0	.1	*	.0	.0	.1
8-9	.0	*	*	.0	.0	.0	*
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.6	1.3	.2	.0	.0	4.4

NOVEMBER

PERIOD: (OVER-ALL) 1963-1971

AREA 0001 TONKIN GULF
18.3N 107.5E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.3	6.9	.2	.0	.0	.0	8.4	
1-2	1.0	16.7	18.5	.0	.0	.0	36.1	
3-4	.2	4.8	23.6	4.4	.0	.0	33.0	
5-6	.0	.5	4.2	3.1	.2	.0	8.0	
7	.0	.3	3.2	3.6	.2	.0	7.2	
8-9	.0	.1	1.0	2.6	.5	.0	4.1	
10-11	.0	.0	.4	.9	.4	.0	1.7	
12	.0	*	.2	.5	.2	.0	1.0	
13-16	.0	.0	.1	.2	.1	.0	.4	
17-19	.0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.4	29.3	51.3	15.3	1.7	.0	100.0	3992

PERIOD: (OVER-ALL) 1950-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.7	24.1	27.0	5.8	4.3	1.9	.8	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2841	3
6-7	.0	1.4	4.5	2.6	3.9	1.8	.7	.4	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	656	5
8-9	.0	.2	1.9	.7	1.5	.9	1.0	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	277	6
10-11	.0	.1	.6	.3	.1	.2	.1	.1	.2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	72	7
12-13	.0	0	.1	.0	.2	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	3.7	3.0	2.0	.5	.4	.2	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	426	2
TOTAL	234	1239	1546	420	445	220	114	50	23	4	0	0	0	0	0	0	0	0	0	4295	4
PCT	5.4	28.8	36.0	9.8	10.4	5.1	2.7	1.2	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1876-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

		PRECIPITATION TYPE								OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	2.3	.7	.6	.0	.0	.0	.0	3.6		.0	.3	.6		.0	16.5	
NE	2.4	1.1	.7	.0	.0	.0	.0	4.2		.0	.6	.9		*	26.8	
E	.3	.3	.1	.0	.0	.0	.0	.7		.0	.1	.2		*	16.1	
SE	.1	.3	*	.0	.0	.0	.0	.4		.0	.1	.1		*	16.4	
S	.1	*	*	.0	.0	.0	.0	.1		.0	*	.1		*	4.1	
SW	*	*	.0	.0	.0	.0	.0	.1		.0	*	*		.0	1.1	
W	.1	*	.1	.0	.0	.0	.0	.2		*	*	*		.0	1.4	
NW	.3	.1	.2	.0	.0	.0	.0	.6		.0	*	.1		.0	3.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	*	*	*	.0	.0	.0	.0	*		.0	*	.1		.0	.8	
TOT OBS	384	171	123	0	0	0	0		675	1	78	147		3	5857	6761
TOT PCT	5.7	2.5	1.8	.0	.0	.0	.0	10.0		*	1.2	2.2		*	86.6	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

		PRECIPITATION TYPE								OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	6.3	2.9	1.7	.0	.0	.0	.0	10.9		.0	1.4	1.9		.1	85.8	
06&09	4.9	2.3	1.5	.0	.0	.0	.0	8.7		.1	1.4	3.1		.1	86.7	
12&15	4.3	1.7	1.9	.0	.0	.0	.0	7.8		.0	1.4	2.1		.0	88.7	
18&21	7.2	3.1	2.3	.0	.0	.0	.0	12.6		.0	.5	1.6		.1	85.3	
TOT	384	171	123	0	0	0	0		675	1	78	147		3	5858	6762
PCT	5.7	2.5	1.8	.0	.0	.0	.0	10.0		*	1.2	2.2		*	86.6	

DECEMBER

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1876-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD
N	.3	5.6	10.5	4.2	.2	.0		20.8	15.6
NE	.3	7.8	15.9	8.0	.7	.0		32.7	16.7
E	.5	7.6	7.9	1.3	*	.0		17.3	12.2
SE	.7	7.4	8.5	.2	.0	.0		16.8	11.0
S	.3	2.8	1.3	*	.0	.0		4.4	9.0
SW	.1	.9	.2	*	.0	.0		1.3	7.7
W	.1	1.0	.5	.1	.0	.0		1.7	9.6
NW	.3	1.9	1.6	.3	*	.0		4.1	11.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.9							.9	.0
TOT OBS	244	2407	3215	970	65	0	6901		13.8
TOT PCT	3.5	34.9	46.6	14.1	.9	.0		100.0	

WND DIR	HOUR (GMT) 00	03	06	09	12	15	18	21
N	18.1	17.5	20.6	20.5	22.0	22.3	21.5	25.3
NE	34.3	38.7	31.8	33.9	32.8	32.2	29.6	31.0
E	18.7	17.5	17.2	18.0	18.4	16.7	16.6	13.4
SE	15.9	17.0	15.3	17.5	15.0	20.3	17.2	19.9
S	4.8	4.0	5.5	3.4	3.8	3.7	4.7	4.2
SW	1.0	.5	1.7	.3	1.8	.8	1.8	1.1
W	2.2	1.2	1.7	1.5	1.6	.8	2.4	1.4
NW	4.3	3.1	5.2	4.0	4.2	2.3	4.6	2.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.6	.5	1.0	.8	.4	1.1	1.7	1.4
TOT OBS	1165	580	1149	593	1144	565	1142	563
TOT PCT	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD
N	1.7	10.2	7.6	1.3	*		20.8	15.6
NE	2.4	14.4	13.1	2.9	*		32.7	16.7
E	2.5	11.1	3.4	.2	.0		17.3	12.2
SE	2.5	12.3	2.1	.0	.0		16.8	11.0
S	1.3	2.8	.3	.0	.0		4.4	9.0
SW	.7	.5	.1	.0	.0		1.3	7.7
W	.6	1.0	.1	*	.0		1.7	9.6
NW	1.0	2.3	.7	.1	.0		4.1	11.3
VAR	.0	.0	.0	.0	.0		.0	.0
CALM	.9						.9	.0
TOT OBS	938	3762	1891	308	2	6901		13.8
TOT PCT	13.6	54.5	27.4	4.5	*		100.0	

WND DIR	HOUR (GMT) 00 03	06 09	12 15	18 21
N	17.9	20.6	22.1	22.7
NE	35.7	32.5	32.6	30.0
E	18.3	17.5	17.8	15.6
SE	16.3	16.1	16.8	18.1
S	4.6	4.8	3.8	4.5
SW	.9	1.2	1.4	1.5
W	1.8	1.7	1.3	2.1
NW	3.9	4.8	3.6	3.9
VAR	.0	.0	.0	.0
CALM	.6	.9	.6	1.6
TOT OBS	1745	1742	1709	1705
TOT PCT	100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

	WIND SPEED (KNOTS)									
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.6	2.2	33.6	46.5	16.0	1.2	.0	14.3	100.0	1745
06&09	.9	2.8	36.1	46.3	13.3	.7	.0	13.5	100.0	1742
12&15	.6	2.6	35.0	47.2	13.5	1.0	.0	13.8	100.0	1709
18&21	1.6	2.9	34.8	46.5	13.4	.9	.0	13.5	100.0	1705
TOT	64	180	2407	3215	970	65	0	13.8		6901
PCT	.9	2.6	34.9	46.6	14.1	.9	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.0	1.2	4.8	13.1		6.7
NE	3.2	2.3	8.8	17.8		6.5
E	3.7	3.2	6.5	3.6		5.0
SE	6.5	3.7	5.6	1.7		3.9
S	1.8	.9	1.4	.5		3.8
SW	.4	.2	.4	.3		4.6
W	.2	.2	.5	.7		6.0
NW	.4	.3	1.0	2.0		6.4
VAR	.0	.0	.0	.0		.0
CALM	4	.1	.2	.2		4.1
TOT OBS	1200	783	1885	2581	6449	5.6
TOT PCT	18.6	12.1	29.2	40.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM >4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	.1	.1	1.0	2.2	7.9	4.0	.5	.4	.2	.1	4.8	
NE	.3	.1	.9	3.3	11.9	5.5	.5	.4	.3	.4	8.5	
E	.2	.0	.1	.5	4.1	2.5	.2	.1	.1	.1	9.3	
SE	.1	.0	.1	.3	2.3	1.6	.1	.1	*	.1	12.8	
S	*	.0	*	.2	.6	.4	.1	*	*	*	3.1	
SW	*	.0	.0	*	.4	.2	*	*	.0	*	.6	
W	.0	.0	*	.2	.5	.3	*	.0	*	*	.5	
NW	*	*	.2	.3	1.3	.7	.1	.2	*	*	1.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	*	.1	.1	*	*	.0	*	.6	
TOT OBS	44	9	154	443	1870	992	105	80	51	51	2650	6449
TOT PCT	.7	.1	2.4	6.9	29.0	15.4	1.6	1.2	.8	.8	41.1	100.0

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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6
= OR >5000	2.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8
= OR >3500	3.3	4.4	4.5	4.5	4.5	4.5	4.5	4.5
= OR >2000	13.1	19.5	19.8	19.8	19.8	19.8	19.8	19.8
= OR >1000	29.1	47.0	48.6	48.8	48.8	48.8	48.8	48.8
= OR >600	31.2	52.3	55.1	55.6	55.7	55.7	55.7	55.7
= OR >300	31.6	53.6	57.1	57.9	58.1	58.1	58.1	58.1
= OR >150	31.6	53.7	57.2	58.1	58.2	58.2	58.2	58.2
= OR > 0	32.0	54.3	57.9	58.7	58.9	58.9	58.9	58.9
TOTAL	2084	3505	3731	3788	3796	3796	3797	3799

TOTAL NUMBER OF OBS: 6449 PCT FREQ NH <5/8: 41.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
4.7	6.4	17.2	7.6	5.1	6.8	11.2	7.1	33.1	.7	6511

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	
<1/2	NO PCP	*	*	*	*	.0	*	.0	*	.0	.0	.1	
	TOT %	*	*	*	*	.0	*	.0	*	.0	.0	.1	
	PCP	*	.1	*	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	NO PCP	.0	*	*	.0	*	.0	.0	.0	.0	.0	.1	
	TOT %	*	.1	*	.0	*	.0	.0	.0	.0	.0	.2	
	PCP	.4	.2	*	*	*	.0	.0	*	.0	.0	.7	
1<2	NO PCP	.1	.1	*	*	.0	.0	*	*	.0	*	.3	
	TOT %	.5	.4	*	*	*	.0	*	*	.0	*	1.0	
	PCP	1.1	1.2	.1	*	*	*	.1	.2	.0	.0	2.8	
2<5	NO PCP	.3	.4	*	*	*	*	.0	.0	.0	.1	.9	
	TOT %	1.4	1.6	.1	.1	.1	*	.1	.2	.0	.1	3.7	
	PCP	1.7	2.3	.4	.2	.1	*	.1	.3	.0	*	5.2	
5<10	NO PCP	5.5	9.7	3.2	1.5	.5	.4	.6	1.1	.0	.1	22.7	
	TOT %	7.3	12.0	3.6	1.7	.6	.5	.7	1.4	.0	.2	27.9	
	PCP	.3	.4	.1	.1	.1	*	*	.1	.0	*	1.2	
10+	NO PCP	11.5	17.9	13.1	15.1	3.7	.7	.9	2.4	.0	.7	66.0	
	TOT %	11.8	18.3	13.3	15.2	3.7	.8	1.0	2.5	.0	.7	67.2	
	TOT OBS												6760
	TOT PCT	21.0	32.4	17.1	17.0	4.4	1.3	1.7	4.1	.0	.9	100.0	

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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	*	*	*	*	.0	*	.0	*	.0		.1	
	11-21	*	.0	.0	.0	.0	0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	*	*	.0	*	.0	*	.0	.0	.1	
	0-3	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	*	*	*	.0	*	.0	.0	.0	.0		.1	
	11-21	*	*	.0	.0	.0	.0	.0	.0	.0		*	
	22+	*	*	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	*	.1	*	.0	*	.0	.0	.0	.0	.0	.2	
	0-3	*	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
1<2	4-10	.1	.1	*	*	.0	.0	.0	*	.0		.2	
	11-21	.2	.1	*	*	*	.0	*	*	.0		.4	
	22+	.2	.1	.0	.0	.0	.0	.0	.0	.0		.3	
	TOT %	.5	.4	.1	*	*	.0	*	*	.0	*	1.0	
	0-3	.0	.0	*	.0	.0	.0	.0	*	.0	.1	.1	
2<5	4-10	.1	.2	.1	.1	*	*	.1	*	.0		.6	
	11-21	.7	.7	.1	*	.0	*	*	.1	.0		1.7	
	22+	.6	.8	*	.0	*	.0	.0	.1	.0		1.6	
	TOT %	1.5	1.8	.2	.1	.1	*	.1	.2	.0	.1	4.0	
	0-3	.1	.1	.1	.1	.1	.1	*	.1	.0	.2	.8	
5<10	4-10	1.6	2.0	1.3	.8	.3	.3	.4	.6	.0		7.4	
	11-21	3.9	5.8	1.9	.7	.2	.1	.2	.5	.0		13.3	
	22+	1.6	4.2	.4	*	.0	*	.1	.2	.0		6.5	
	TOT %	7.2	12.0	3.7	1.7	.6	.5	.7	1.4	.0	.2	27.9	
	0-3	.2	.2	.4	.5	.2	.1	.1	.2	.0	.7	2.6	
10+	4-10	3.8	5.4	6.1	6.5	2.4	.5	.6	1.2	.0		26.5	
	11-21	5.8	9.2	5.9	7.8	1.1	.1	.3	.9	.0		31.2	
	22+	1.9	3.5	.8	.2	.0	.0	.0	.1	.0		6.6	
	TOT %	11.7	18.4	13.3	15.0	3.7	.8	.9	2.4	.0	.7	66.9	
	TOT OBS												6870
	TOT PCT	20.9	32.7	17.3	16.8	4.4	1.3	1.7	4.0	.0	.9	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.1	.2	3.1	9.0	30.9	16.0	1.5	1.3	.6	.6	63.3	36.7	1656
06&09	.1	.2	2.8	7.6	28.9	16.7	1.6	1.4	.6	1.2	60.9	39.1	1629
12&15	1.2	.1	1.7	5.8	27.7	13.3	1.2	1.2	1.0	.7	53.9	46.1	1601
18&21	1.3	.1	1.9	4.9	28.1	15.3	2.2	1.1	1.0	.7	56.6	43.4	1584
TOT	44	9	154	443	1871	992	105	80	51	51	3800	2670	6470
PCT	.7	.1	2.4	6.8	28.9	15.3	1.6	1.2	.8	.8	58.7	41.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.1	.3	1.0	4.4	26.9	67.3	1655
06&09	.1	.2	1.6	2.8	25.5	69.7	1626
12&15	.0	.1	.6	3.6	29.0	66.7	1596
18&21	.0	.1	.5	3.9	30.0	65.5	1576
TOT	3	11	59	238	1796	4346	6453
PCT	*	.2	.9	3.7	27.8	67.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.2	3.7	14.7	49.1	36.3	1655
06&09	.1	3.3	12.9	48.5	38.6	1626
12&15	1.3	3.1	10.8	43.5	45.7	1596
18&21	1.3	3.3	10.3	46.7	43.0	1576
TOT	48	217	786	3031	2636	6453
PCT	.7	3.4	12.2	47.0	40.8	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	*	*	*	.1	.2	.2	*	.0	35	.5
80/84	.0	*	*	.1	.8	1.4	.8	.1	210	3.2
75/79	.0	.0	*	.8	2.6	16.3	11.7	4.8	2345	36.2
70/74	.0	.0	.1	1.5	5.9	11.2	10.9	7.9	2422	37.4
65/69	.0	.0	.4	1.1	2.6	3.7	5.3	4.1	1106	17.1
60/64	.0	.0	.1	.3	.8	.9	1.5	1.2	315	4.9
55/59	.0	.0	.0	.0	.1	.3	.2	.2	45	.7
50/54	.0	.0	.0	.0	.0	.0	*	*	2	*
TOTAL	1	2	47	248	841	2189	1975	1177	6480	100.0
PCT	*	*	.7	3.8	13.0	33.8	30.5	18.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.1	.1	.1	.1	*	.0	*	.0	*
.2	.4	.7	1.2	.4	.1	.1	.1	.0	.1
3.1	5.5	9.9	12.5	3.1	.5	.4	.8	.0	.4
9.5	14.1	5.6	3.5	.7	.5	1.0	2.1	.0	.4
6.2	8.6	.8	.2	.1	.1	.3	.7	.0	.1
1.9	2.5	.2	.0	.0	*	*	.2	.0	.0
.3	.4	.0	.0	.0	.0	.0	*	.0	.0
.0	*	.0	.0	.0	.0	.0	.0	.0	.0
21.2	31.6	17.2	17.5	4.5	1.3	1.8	4.0	.0	1.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	80	78	73	64	59	54	72.4	1740
06&09	89	86	81	74	63	59	54	73.6	1729
12&15	86	79	78	73	64	59	55	72.3	1706
18&21	86	78	77	73	64	60	55	72.0	1700
TOT	89	82	79	73	64	59	54	72.6	6875

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	4.1	13.8	30.7	30.3	21.1	80	1642
06&09	.1	6.5	17.7	36.9	26.1	12.8	76	1614
12&15	.0	4.3	11.7	34.8	31.5	17.7	79	1618
18&21	.0	3.4	8.7	32.8	34.0	21.0	81	1607
TOT	1	297	841	2189	1976	1177	79	6481

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	1	.0	*
11/13	.0	.0	.0	.0	.0	.0	.0	*	.1	*	10	*	.1
9/10	.0	.0	.0	.0	.0	.0	*	*	.1	.0	15	.0	.2
7/8	.0	.0	.0	.0	.0	*	.1	.1	.2	.0	34	*	.5
6	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	22	.0	.3
5	.0	.0	.0	.0	*	.1	.2	.1	*	.0	35	*	.5
4	.0	.0	.0	.0	*	.2	.3	.3	*	.0	58	*	.8
3	.0	.0	.0	.0	.1	.6	.6	.2	*	.0	99	*	1.5
2	.0	.0	.0	.1	.3	1.2	1.3	.2	.0	.0	204	*	3.0
1	.0	.0	.0	.2	.4	1.9	2.0	.3	.0	.0	316	.1	4.6
0	.0	.0	*	.4	.8	3.2	2.7	.1	.0	.0	483	.1	7.1
-1	.0	.0	*	.1	1.1	4.1	3.3	.1	.0	.0	562	.1	8.6
-2	.0	.0	.1	.5	2.1	4.8	3.0	.0	.0	.0	703	.1	10.4
-3	.0	.0	*	.4	2.2	4.1	4.4	*	.0	.0	753	.1	11.1
-4	.0	.0	.2	.6	2.9	5.4	.6	.0	.0	.0	651	.1	9.6
-5	.0	.0	2	.7	3.1	4.3	.7	.0	.0	.0	604	.1	8.9
-6	.0	.1	.1	1.1	3.2	2.1	.2	.0	.0	.0	454	.1	6.7
-7/-8	*	.1	.6	2.1	4.9	1.8	.1	0	.0	.0	654	.1	9.7
-9/-10	.1	*	1.2	2.4	3.5	.1	.0	.0	.0	.0	490	.1	7.2
-11/-13	.1	.5	1.5	2.4	1.2	.1	.0	.0	.0	.0	387	.1	5.7
-14/-16	*	.3	.6	1.1	*	.0	.0	.0	.0	.0	139	.1	2.0
-17/-19	.0	*	.2	*	0	.0	.0	.0	.0	.0	19	.0	.3
TOTAL											6710		
PCT	.2	1.0	4.8	12.1	25.7	34.2	19.7	1.6	.6	*	100.0	1.1	98.9

PERIOD: (OVER-ALL) 1963-1971

DECEMBER

TABLE 18

AREA 000: TONKIN GULF 18.3N 107.6E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.1	1	.0	.0	0	1.3
1-2	2	3 4	3.7	.0	.0	.0	7.4
3-4	.0	9	5 2	1.2	.0	.0	7.3
5-6	.0	1	1.4	8	.1	.0	2.3
7	0	0	9	.7	.0	.0	1.6
8-9	0	0	3	.9	*	.0	1.2
10-11	.0	0	.1	.6	*	.0	.8
12	0	*	1	.3	*	.0	.4
13-16	.0	0	*	.1	*	.0	.1
17-19	.0	0	0	.0	.0	.0	.0
20-22	0	0	.0	.0	0	.0	.0
23-25	.0	0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	0	.0	.0	.0	.0	.0
41-48	.0	.0	0	.0	0	.0	.0
49-60	.0	0	0	.0	.0	.0	.0
61-70	0	.0	.0	0	.0	.0	.0
71-86	.0	.0	0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	5.7	11.7	4.7	.2	.0	22 5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.9	.1	.0	.0	.0	2.0
1-2	.2	4.4	5.5	.0	.0	.0	10.1
3-4	.0	1.1	7.0	2.2	.0	.0	10.3
5-6	.0	.2	2.3	1.7	*	.0	4.3
7	.0	.1	1.3	2.2	.1	.0	3.6
8-9	.0	*	.4	1.4	.1	.0	1.9
10-11	.0	*	.4	1.1	.1	.0	1.6
12	.0	.0	.1	.3	.1	.0	.5
13-16	.0	.0	.0	.2	.1	.0	.2
17-19	.0	.0	*	*	.0	.0	*
20-22	0	.0	.0	.0	*	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	7.7	17.1	9.1	.6	.0	34.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	3	1.8	*	.0	.0	.0	< :
1-2	.1	4 3	2.9	.0	.0	.0	7.3
3-4	*	1 2	3 4	6	.0	.0	5.2
5-6	*	1	.5	.3	.0	.0	.9
7	.0	.1	.5	.3	.0	.0	.8
8-9	.0	*	.1	1	*	.0	3
10-11	.0	0	*	*	*	.0	.1
12	.0	.0	.1	.0	*	.0	.1
13-16	.0	.0	0	.0	0	0	.0
17-19	.0	0	.0	*	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	0	0	0	.0	.0	0
26-32	0	.0	0	.0	.0	0	0
33-40	.0	.0	.0	.0	0	n	.0
41-48	0	0	.0	0	.0	.0	.0
49-60	.0	.0	.0	0	0	.0	.0
61-70	.0	.0	0	.0	0	.0	.0
71-86	0	.0	.0	0	.0	.0	0
87+	0	0	.0	0	.0	.0	0
TOT PCT	5	7.4	7.5	1 3	.1	.0	16.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.7	*	.0	.0	.0	2.1
1-2	.2	3.9	4.6	.0	.0	.0	8.7
3-4	*	.7	3.0	.1	.0	.0	3.9
5-6	.0	.0	.1	.1	.0	.0	.2
7	.0	.1	.1	*	.0	.0	.3
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	*	.0	.0	.0	.0	*
12	.0	.0	.0	.0	0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	6.5	7.9	.2	.0	.0	15.2

PERIOD: (OVER-ALL) 1963-1971 DECEMBER AREA 0001 TONKIN GULF
TABLE 19 18.3N 107.6E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.8	*	.0	.0	0	1.1
1-2	.0	1.4	.8	.0	.0	.0	2.1
3-4	.0	.1	.4	.0	.0	.0	.6
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.3	1.3	.0	.0	.0	3.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	*	.0	.0	.0	.5
1-2	*	.3	*	.0	.0	.0	.4
3-4	.0	*	*	.0	.0	.0	*
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	0	.0	.0	.0	.0	.0	.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	*	.0	.0	.0	.4
1-2	*	.5	.3	.0	.0	.0	.8
3-4	.0	.1	.2	.0	.0	.0	.3
5-6	.0	.0	*	*	.0	.0	*
7	.0	0	.0	*	.0	.0	*
8-9	0	.0	.0	0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.9	.5	*	.0	.0	1 6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	*	.0	.0	.0	.7
1-2	*	1.0	.8	.0	.0	.0	1.9
3-4	*	.2	.7	.2	.0	.0	1.1
5-6	.0	.0	.1	*	.0	.0	.1
7	.0	.0	*	.1	.0	.0	.1
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	*	*	.0	.1
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	*	.0	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.8	1.7	.3	*	0	4.0

DECEMBER

PERIOD: (OVER-ALL) 1963-1971

AREA 0001 TONKIN GULF
18.3N 107.6E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.2	8.5	.2	.0	.0	.0	10.9	
1-2	.8	19.2	16.6	.0	.0	.0	36.6	
3-4	.1	4.4	19.8	4.3	.0	.0	28.7	
5-6	*	.4	4.4	2.9	.1	.0	7.8	
7	.0	.2	2.8	3.3	.1	.0	6.4	
8-9	.0	*	.9	2.4	.2	.0	3.5	
10-11	.0	*	.5	1.8	.2	.0	2.6	
12	.0	*	.2	.6	.1	.0	1.0	
13-16	.0	.0	*	.3	.1	.0	.4	
17-19	.0	.0	*	*	.0	.0	.1	
20-22	.0	.0	.0	.0	*	.0	*	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								4481
TOT PCT	3.1	32.9	47.5	15.6	.8	.0	100.0	

PERIOD: (OVER-ALL) 1952-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.6	24.2	23.8	6.1	3.7	1.3	1.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3159	3
6-7	.0	.7	3.4	2.9	2.9	2.7	1.4	.4	.2	*	*	.0	.0	.0	.0	.0	.0	.0	.0	731	6
8-9	*	.1	1.2	1.1	1.5	1.1	1.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	343	7
10-11	.0	.2	.1	.1	*	.6	.5	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	87	8
12-13	.0	.0	*	.0	.0	*	.1	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	11
>13	.0	.0	.0	*	*	*	*	*	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	12
INDET	2.9	4.2	4.2	.7	.7	.2	.2	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	668	3
TOTAL	274	1474	1639	550	445	300	221	63	36	7	1	0	0	0	0	0	0	0	0	5010	4
PCT	5.5	29.4	32.7	11.0	8.9	6.0	4.4	1.3	.7	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1859-1971

AREA 0001 TONKIN GULF
18.3N 107.5E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	1.1	.4	.7	.0	.0	0	.0	2.2		.1	.3	.5		*	11.3	
NE	.9	.5	.5	.0	0	.0	.0	1.8		.2	.5	.8		*	15.1	
E	.2	.2	.1	.0	.0	.0	.0	.6		.3	.3	.7		*	11.3	
SE	.1	.2	.1	0	0	.0	*	.4		.8	.3	1.6		*	19.3	
S	.1	.1	*	.0	.0	.0	0	.2		.7	.2	.4		*	11.7	
SW	.1	.1	*	.0	.0	.0	.0	.3		.3	.1	.1		*	7.4	
W	.2	.1	.1	.0	.0	.0	.0	.3		.1	.1	.1		*	3.3	
NW	.3	.2	.2	.0	.0	.0	.0	.6		.1	.1	.2		.0	4.2	
VAR	.0	.0	0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	*	*	*	.0	.0	.0	.0	*		*	.1	.1		.0	1.1	
TOT OBS	2501	1454	1357	0	0	0	1		5284	2233	1691	3697		28	69920	82813
TOT PCT	3.0	1.8	1.6	.0	.0	.0	*	6.4		2.7	2.0	4.4		*	84.6	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	3.7	2.0	1.7	.0	.0	.0	*	7.5		.1	2.5	4.5		*	85.5	
06&09	2.7	1.5	1.4	.0	.0	.0	.0	5.5		*	2.0	5.7		*	86.7	
12&15	2.4	1.3	1.4	.0	.0	.0	.0	5.0		4.8	1.8	4.3		*	84.2	
18&21	3.4	2.3	2.0	.0	.0	.0	.0	7.6		5.7	1.7	3.0		*	82.1	
TOT	2502	1454	1358	0	0	0	1		5286	2234	1700	3700		28	69962	82870
PCT	3.0	1.8	1.6	.0	.0	.0	*	6.4		2.7	2.0	4.4		*	84.6	

ANNUAL

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1859-1971

AREA 0001 TONKIN GULF
18.3N 107.5E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.5	4.5	7.0	2.3	.1	*		14.4	13.1	13.1	13.2	15.4	17.7	15.1	14.2	12.9	14.4
NE	.5	5.6	8.9	3.4	.2	*		18.5	13.0	18.7	19.6	19.0	18.4	20.0	18.0	16.9	17.1
E	.5	5.8	6.4	.6	*	*		13.2	11.2	12.2	12.6	12.4	15.3	16.0	13.4	12.6	11.2
SE	.6	7.2	13.5	1.1	*	.0		22.3	12.4	19.3	19.9	18.3	23.6	26.4	27.7	23.0	22.5
S	.4	4.9	7.3	.6	*	.0		13.2	11.0	13.9	11.4	11.6	9.1	9.7	14.5	17.8	16.7
SW	.3	2.8	4.4	.6	*	.0		8.1	9.5	10.7	11.7	9.5	6.3	5.1	5.5	7.2	8.6
W	.3	1.9	1.4	.2	*	.0		3.8	9.2	5.0	4.8	5.2	3.0	2.5	2.0	3.7	3.2
NW	.3	2.7	1.9	.2	*	*		5.2	10.5	5.8	5.4	7.0	5.1	4.3	3.5	4.7	4.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3							1.3	.0	1.3	1.4	1.5	1.5	.9	1.3	1.2	1.5
TOT OBS	3880	29751	42755	7422	331	5	84144		12.8	14106	6812	14095	6991	14133	6782	14256	6969
TOT PCT	4.6	35.3	50.7	8.9	.4	*		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	1.9	7.4	4.4	.7	*		14.4	13.1	13.1	16.1	14.8	13.4
NE	2.3	9.1	6.1	1.1	*		18.5	13.0	19.0	18.8	19.4	17.0
E	2.3	8.6	2.2	.1	*		13.2	11.2	12.3	13.4	15.2	12.1
SE	2.5	14.4	5.3	.1	.0		22.3	12.4	19.5	20.1	26.8	22.8
S	1.9	8.5	2.7	*	*		13.2	11.0	13.1	10.7	11.3	17.4
SW	1.3	4.6	2.1	.1	*		8.1	9.5	11.0	8.5	5.3	7.7
W	1.1	2.2	.5	.1	.0		3.8	9.2	4.9	4.5	2.3	3.5
NW	1.4	3.1	.7	.1	*		5.2	10.5	5.7	6.4	4.1	4.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.3						1.3	.0	1.4	1.5	1.0	1.3
TOT OBS	13444	48843	20075	1759	23	84144		12.8	20918	21086	20915	21225
TOT PCT	16.0	57.9	23.9	2.2	*		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

	WIND SPEED (KNOTS)									
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.4	3.5	33.9	50.9	9.9	.4	.0	13.0	100.0	20918
06&09	1.5	3.7	38.1	48.5	7.8	.4	*	12.3	100.0	21086
12&15	1.0	2.9	35.1	51.6	8.9	.4	*	12.9	100.0	20915
18&21	1.3	3.1	34.1	52.0	9.1	.4	.0	12.9	100.0	21225
TOT	1097	2783	29751	42755	7422	331	5	12.8		84144
PCT	1.3	3.3	35.3	50.7	8.9	.4	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.7	1.2	3.7	8.0		6.3
NE	2.7	1.6	5.1	8.7		6.0
E	3.1	2.0	4.7	3.2		5.0
SE	7.9	3.9	7.6	3.3		4.3
S	3.7	2.3	4.7	2.5		4.4
SW	1.4	1.1	3.4	2.3		5.3
W	.5	.4	1.5	1.4		5.8
NW	.6	.5	1.6	2.5		6.2
VAR	.0	.0	.0	.0		.0
CALM	.3	.2	.4	.3		4.8
TOT OBS	17260	10373	25643	25402	78678	5.3
TOT PCT	22.0	13.2	32.6	32.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM >4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	*	.1	.7	1.8	4.4	2.0	.2	.2	.1	.2	4.9	
NE	.1	.1	.6	1.6	5.4	2.6	.3	.2	.2	.2	6.9	
E	*	*	.2	.4	2.5	1.5	.2	.1	.2	.2	7.6	
SE	*	*	.2	.6	2.3	1.5	.2	.1	.2	.4	17.1	
S	*	*	.1	.2	.9	.8	.1	.1	.2	.6	10.2	
SW	*	*	*	.1	.5	.6	.1	.1	.2	.6	5.8	
W	*	*	.1	.1	.6	.4	.1	.1	.1	.2	2.1	
NW	*	*	.1	.4	1.4	.6	.1	.1	.1	.1	2.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	*	*	*	*	.2	.1	*	*	*	*	.9	
TOT OBS	192	149	1576	4192	14239	7889	1014	839	1035	2016	45537	78678
TOT PCT	.2	.2	2.0	5.3	18.2	10.1	1.3	1.1	1.3	2.5	57.8	100.0

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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.8
= OR >5000	4.0	4.9	4.9	4.9	4.9	4.9	4.9	4.9
= OR >3500	4.9	6.1	6.2	6.2	6.2	6.2	6.2	6.2
= OR >2000	11.8	16.0	16.3	16.3	16.3	16.3	16.3	16.3
= OR >1000	21.2	33.2	34.3	34.4	34.5	34.5	34.5	34.5
= OR >600	22.7	37.4	39.4	39.7	39.7	39.8	39.8	39.8
= OR >300	22.9	38.6	41.1	41.5	41.7	41.7	41.7	41.7
= OR >150	23.0	38.6	41.3	41.7	41.8	41.9	41.9	41.9
= OR > 0	23.0	38.7	41.4	41.8	42.0	42.1	42.2	42.2
TOTAL	18021	30400	32527	32880	33029	33081	33138	33151

TOTAL NUMBER OF OBS: 78694

PCT FREQ NH <5/8: 57.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
12.8	12.4	20.0	7.8	4.8	6.1	9.5	4.7	21.5	.5	79257

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	*	*	*	*	*	*	.0	*	.1	
	NO PCP	*	.1	.1	.1	*	*	*	*	.0	*	.3	
	TOT %	.1	.1	.1	.1	*	*	*	*	.0	*	.4	
1/2<1	PCP	*	*	*	*	*	*	*	*	.0	*	.1	
	NO PCP	*	*	*	*	*	*	*	*	.0	*	.2	
	TOT %	.1	.1	*	*	*	*	*	*	.0	*	.3	
1<2	PCP	.2	.1	*	*	*	*	*	*	.0	*	.3	
	NO PCP	*	.1	*	*	*	*	*	*	.0	*	.2	
	TOT %	.2	.2	.1	*	*	*	*	.1	.0	*	.6	
2<5	PCP	.6	.5	.1	*	*	*	.1	.1	.0	*	1.5	
	NO PCP	.2	.4	.2	.4	.1	*	*	.1	.0	*	1.6	
	TOT %	.8	.9	.3	.4	.2	.1	.1	.2	.0	*	3.1	
5<10	PCP	1.1	.9	.3	.2	.1	.1	.1	.3	.0	*	3.2	
	NO PCP	3.8	5.0	3.1	4.8	1.7	.8	.6	1.1	.0	.3	21.2	
	TOT %	5.0	5.9	3.4	5.0	1.8	.9	.7	1.4	.0	.3	24.4	
10+	PCP	.2	.2	.1	.1	.1	.1	.1	.1	.0	*	1.2	
	NO PCP	8.1	11.0	9.2	16.7	11.1	7.0	2.9	3.3	.0	.9	70.1	
	TOT %	8.3	11.3	9.3	16.8	11.2	7.1	2.9	3.5	.0	.9	71.2	
	TOT OBS												82806
	TOT PCT	14.4	18.4	13.2	22.4	13.2	8.1	3.8	5.2	.0	1.3	100.0	

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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	*	*	*	*	*	*	*	*	.0	*	.1	
<1/2	4-10	*	*	*	*	*	*	*	*	.0		.2	
	11-21	*	*	*	*	*	*	*	*	.0		.1	
	22+	*	*	*	*	*	*	*	*	.0		*	
	TOT %	.1	.1	.1	.1	*	*	*	*	.0	*	.4	
	0-3	*	*	*	*	*	*	*	.0	.0	*	*	
1/2<1	4-10	*	*	*	*	*	*	*	*	.0		.1	
	11-21	*	*	*	*	*	*	*	*	.0		.1	
	22+	*	*	.0	*	*	*	*	*	.0		.1	
	TOT %	.1	.1	*	*	*	*	*	*	.0	*	.3	
	0-3	*	*	*	*	*	*	*	*	.0	*	.1	
1<2	4-10	*	*	*	*	*	*	*	*	.0		.2	
	11-21	.1	.1	*	*	*	*	*	*	.0		.2	
	22+	.1	.1	*	.0	*	*	*	*	.0		.2	
	TOT %	2	.2	.1	*	*	*	*	.1	.0	*	.6	
	0-3	*	*	*	*	*	*	*	*	.0	*	.2	
2<5	4-10	.2	3	.2	.2	.1	.1	.1	.1	.0		1.0	
	11-21	.4	.4	.2	.2	.1	*	*	.1	.0		1.4	
	22+	.3	.3	*	*	*	*	*	*	.0		.7	
	TOT %	9	1.0	.4	.4	.2	.1	.1	.2	.0	*	3.3	
	0-3	.1	.1	.1	.1	.1	.1	.1	.1	.0	.3	1.1	
5<10	4-10	1.2	1.5	1.4	1.4	.8	.4	.4	.6	.0		7.6	
	11-21	2.4	2.8	1.7	3.1	.8	.4	.2	.6	.0		12.0	
	22+	1.2	1.5	.2	.4	.1	.1	*	.1	.0		3.6	
	TOT %	4.9	5.9	3.4	5.0	1.8	.9	.7	1.4	.0	.3	24.4	
	0-3	.3	.3	.3	.4	.3	.2	.2	.2	.0	.9	3.1	
10+	4-10	3.0	3.8	4.1	5.5	3.9	2.3	1.5	1.9	.0		26.0	
	11-21	4.1	5.5	4.5	10.2	6.5	4.0	1.1	1.2	.0		37.0	
	22+	.9	1.7	.4	.7	.5	.6	.1	.1	.0		4.8	
	TOT %	8.2	11.2	9.3	16.7	11.1	7.1	2.9	3.4	.0	.9	70.9	
	TOT OBS												83551
	TOT PCT	14.4	18.5	13.2	22.3	13.2	8.1	3.8	5.2	.0	1.3	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MH >4/8) AND OCCURRENCE OF MH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MH <5/8 ANY HGT	TOTAL OBS
00&03	.2	.2	2.5	6.4	20..	10.9	1.5	1.1	1.5	2.7	47.4	52.6	19894
06&09	.2	.2	2.2	5.5	18.0	10.1	1.3	1.0	1.4	2.2	42.0	58.0	19835
12&15	.2	.2	1.7	4.5	16.2	8.8	1.1	1.2	1.3	2.8	38.0	62.0	19522
18&21	.3	.2	1.5	4.7	18.0	10.6	1.3	1.0	1.1	2.4	41.0	59.0	19579
TOT	192	149	1576	4194	14246	7896	1017	839	1037	2016	33162	45668	78830
PCT	.2	.2	2.0	5.3	18.2	10.1	1.3	1.1	1.3	2.5	42.1	57.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.6	.4	.7	3.8	22.7	71.7	19977
06&09	.3	.3	.7	3.0	21.9	73.7	19877
12&15	.3	.1	.4	2.6	25.4	71.2	19547
18&21	.3	.2	.3	2.9	26.8	69.6	19623
TOT	318	216	411	2483	19260	56336	79024
PCT	.4	.3	.5	3.1	24.2	71.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MH >4/8) BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <5	1000+ AND5+	MH <5/8 AND 5+	TOTAL OBS
00&03	.8	3.8	12.0	36.2	51.8	19977
06&09	.6	3.2	10.3	32.5	57.3	19877
12&15	.6	2.5	8.4	30.2	61.4	19547
18&21	.6	2.3	8.5	32.9	58.5	19623
TOT	529	2377	7882	25970	45172	79024
PCT	.6	2.9	9.8	33.0	57.2	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	*	*	*	*	*	*	67	.1
90/94	.0	.0	*	.1	6	.5	.2	*	1037	1.3
85/89	*	*	.1	.2	1 5	9.1	6.1	.7	14224	17.8
80/84	.0	*	.1	5	1 9	7.0	15.8	4.2	23261	29.5
75/79	.0	*	.1	.4	1.5	5 5	8.1	7.1	17293	22.6
70/74	.0	.0	.1	3	1 1	3 2	5.3	5 7	12423	15 7
65/69	.0	*	*	2	.6	1.2	2.8	2.9	6254	7.8
60/64	.C	.0	*	.1	.4	.7	1.4	1.4	3304	4.1
55/59	.0	.0	*	*	.1	.2	.4	.3	831	1.0
50/54	.0	.0	.0	*	*	*	*	*	57	.1
TOTAL	1	10	265	1433	5928	21422	31755	17937	78751	100.0
PCT	*	*	.4	1.9	7.7	27.5	40.1	22.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	*	*	*	*	*	*	*	.0	*
.1	1	.1	2	.3	.3	.1	.1	.0	*
.7	.7	1.0	3.7	5.2	4.5	1 1	.6	.0	.2
2.4	3 6	3 9	8.1	5.2	2.6	1.5	1.7	.0	.5
3.0	4.4	4 5	7.1	1.5	.4	.5	.9	.0	.2
3.2	4.6	2 7	3.2	.8	.2	.4	1.0	.0	.2
3.0	2.8	.6	.2	.1	.1	.2	.7	.0	.1
1.9	1.7	.2	*	*	*	*	2	.0	*
.4	.6	*	*	*	*	*	*	.0	.0
*	*	*	.0	.0	.0	.0	*	.0	.0
14.7	18.0	13.0	22.7	13.2	8.2	3.8	5.2	.0	1.3

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	97	85	83	78	71	68	51	77.7	20895
06&09	98	89	86	79	72	68	51	79.1	21018
12&15	96	84	83	78	72	68	51	77.7	20909
18&21	94	83	82	78	71	68	52	77.2	21214
TOT	98	87	84	78	71	68	51	77.9	84036

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	2.1	7.4	26.9	39.9	23.6	82	19717
06&09	*	3.5	12.6	35.7	34.3	13.9	79	19609
12&15	.0	2.0	6.2	26.4	42.9	22.5	82	19627
18&21	.0	1.6	4.7	20.9	43.4	29.5	84	19839
TOT	1	1708	5933	21432	31769	17949	82	78792

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.0	.0	*	.0	*	.0	.0	.0	2	.0	*
14/16	.0	.0	.0	.0	.0	.0	.0	*	*	*	*	*	40	*	*
11/13	.0	.0	.0	.0	.0	*	*	*	*	.1	*	.1	258	*	.3
9/10	.0	.0	.0	.0	*	*	.1	.1	.1	.1	.2	.1	513	*	.6
7/8	.0	.0	.0	*	*	.1	.1	.2	.2	.3	.4	.1	1130	.1	1.3
6	.0	.0	.0	.0	*	.1	.1	.2	.2	.3	.2	*	953	.1	1.1
5	.0	.0	.0	*	*	.2	.3	.4	.3	.6	.3	*	1920	.1	2.1
4	.0	.0	.0	*	.1	.2	.5	.6	.6	.8	.2	*	2588	.1	2.9
3	.0	.0	.0	*	.1	.2	.9	.9	.9	1.3	.2	*	3846	.2	4.4
2	.0	.0	*	.1	.2	.5	1.2	1.3	1.6	1.8	.1	*	5663	.2	6.6
1	.0	.0	*	.1	.2	.5	1.6	1.4	2.1	2.7	.1	*	7194	.2	8.4
0	0	.0	*	.1	.3	.8	1.8	2.1	3.2	2.7	.1	.0	9128	.2	10.8
-1	0	.0	*	.1	.2	.8	1.8	2.1	3.3	3.0	.1	.0	9395	.2	11.2
-2	.0	*	*	.2	.4	1.1	1.7	2.3	3.8	1.3	*	*	8779	.1	10.6
-3	.0	.0	.1	.1	.4	1.1	1.3	2.5	3.2	1.1	*	.0	7979	.1	9.7
-4	.0	*	.1	.2	.5	1.0	1.5	1.8	2.1	.3	*	.0	5980	.1	7.3
-5	.0	*	.1	.2	.5	1.0	1.2	1.5	1.3	.3	*	.0	4950	.1	6.1
-6	.0	*	.1	.3	.5	.8	.9	.8	.6	.1	.0	.0	3263	*	4.0
-7/-8	0	.1	.2	.7	1.0	1.1	.9	.7	.5	*	*	0	4227	.1	5.2
-9/-10	0	.1	.3	.7	.7	.7	.3	.2	.1	*	.0	.0	2358	.1	2.9
-11/-13	*	.1	.4	.6	.5	.3	.1	*	*	*	.0	.0	1619	*	2.0
-14/-16	.0	*	1	.2	.2	*	*	*	*	.0	.0	.0	466	*	.6
-17/-19	.0	*	.1	.1	*	.0	0	.0	.0	.0	.0	.0	103	*	.1
-20/-22	.0	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	7	*	*
TOTAL													82261		
PCT	*	.3	1.4	3.7	5.8	10.4	16.4	19.0	24.2	16.7	1.9	.3	100.0	2.0	98.0

PERIOD: (OVER-ALL) 1963-1971

ANNUAL

TABLE 18

AREA 0001 TOMKIN GULF
18.3N 107.5E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.9	*	.0	.0	.0	1.1
1-2	.2	2.6	2.5	.0	.0	.0	5.2
3-4	*	.8	3.1	.7	.0	.0	4.6
5-6	*	.1	.9	.4	*	.0	1.4
7	.0	*	.8	.6	*	.0	1.4
8-9	.0	*	.2	.4	*	.0	.7
10-11	.0	*	.1	.3	*	.0	.5
12	.0	*	*	.1	*	.0	.2
13-16	.0	*	*	.1	*	.0	.1
17-19	.0	.0	*	*	*	.0	*
20-22	.0	.0	.0	*	.0	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	4.4	7.6	2.6	.1	.0	15.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.2	*	.0	.0	.0	1.4
1-2	.2	3.2	3.2	.0	.0	.0	6.6
3-4	*	.9	4.0	1.1	.0	.0	6.0
5-6	.0	.1	1.1	.8	*	.0	2.0
7	.0	*	.7	.9	*	.0	1.6
8-9	.0	*	.2	.5	.1	.0	.8
10-11	.0	*	.1	.3	.1	.0	.4
12	.0	*	*	.1	*	.0	.2
13-16	.0	*	*	*	*	.0	.1
17-19	.0	.0	*	*	*	.0	*
20-22	.0	.0	.0	*	*	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	5.4	9.3	3.7	.2	.0	18.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.3	*	.0	.0	.0	1.6
1-2	.2	3.2	2.8	.0	.0	.0	6.1
3-4	*	.9	2.8	.3	.0	.0	3.9
5-6	*	1	.4	.1	.0	.0	.6
7	*	*	.2	.1	*	.0	.3
8-9	.0	*	*	*	*	.0	.1
10-11	.0	.0	*	*	*	.0	*
12	.0	.0	*	*	*	.0	*
13-16	.0	*	.0	*	.0	.0	*
17-19	.0	.0	.0	*	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	5.4	6.3	.5	*	.0	12.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.4	*	.0	.0	.0	1.6
1-2	.2	4.4	6.6	.0	.0	.0	11.1
3-4	*	1.1	5.5	.7	.0	.0	8.4
5-6	*	.1	.5	.2	*	.0	.8
7	*	*	.2	.1	.0	.0	.4
8-9	.0	*	*	*	.0	.0	*
10-11	.0	*	*	*	.0	.0	*
12	.0	*	*	*	.0	.0	*
13-16	.0	.0	*	.0	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	7.0	13.9	1.0	*	.0	22.4

PERIOD: (OVER-ALL) 1963-1971

ANNUAL

TABLE 18

AREA 0001 TONKIN GULF
18.3N 107.5E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2	9	*	.0	.0	0	1.2
1-2	1	2.9	3.9	.0	.0	.0	6.9
3-4	*	.7	3.1	.3	.0	.0	4.1
5-6	.0	*	.3	.1	.0	.0	.3
7	0	*	*	*	*	.0	.1
8-9	0	*	*	*	.0	.0	*
10-11	0	.0	.0	*	.0	.0	*
12	.0	.0	*	.0	.0	.0	*
13-16	.0	0	0	.0	.0	.0	.0
17-19	.0	0	*	.0	.0	.0	*
20-22	.0	.0	0	0	.0	.0	.0
23-25	0	.0	.0	.0	.0	.0	.0
26-32	0	0	.0	.0	.0	.0	0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	0	0	0	0	.0	.0	0
49-60	0	.0	0	.0	.0	.0	.0
61-70	.0	0	.0	.0	.0	.0	.0
71-86	.0	0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	4.5	7.3	.4	*	.0	12.6

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.7	*	0	.0	.0	.8
1-2	.1	1.8	2.1	.0	.0	.0	4.0
3-4	*	.4	2.4	4	.0	.0	3.1
5-6	.0	*	.2	.1	*	.0	.4
7	.0	*	.1	.1	*	.0	.2
8-9	.0	.0	*	*	.0	.0	*
10-11	0	.0	*	*	*	.0	*
12	.0	.0	*	*	*	.0	*
13-16	0	0	0	0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.8	4.9	.6	*	.0	8.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.5	*	.0	.0	.0	.7
1-2	.1	1.2	8	.0	.0	.0	2.1
3-4	*	.2	5	.1	.0	.0	.8
5-6	0	*	.1	*	*	.0	.1
7	0	*	*	*	*	.0	.1
8-9	.0	.0	*	*	*	0	*
10-11	0	.0	*	*	*	.0	*
12	0	0	*	*	0	.0	*
13-16	.0	0	0	0	.0	.0	.0
17-19	0	0	0	.0	0	.0	.0
20-22	0	.0	0	.0	.0	.0	.0
23-25	0	.0	.0	.0	0	0	.0
26-32	0	.0	0	0	.0	0	.0
33-40	.0	.0	0	)	.0	.0	.0
41-48	0	0	.0	0	0	0	.0
49-60	.0	.0	0	0	.0	.0	.0
61-70	0	0	0	.0	0	.0	.0
71-86	0	0	0	.0	.0	.0	0
87+	0	.0	0	0	.0	0	.0
TOT PCT	2	1.9	1.4	2	*	.0	3.8

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.7	*	.0	.0	.0	.9
1-2	.1	1.5	1.1	.0	.0	.0	2.8
3-4	*	.3	.7	1	.0	.0	1.2
5-6	*	*	.1	*	.0	.0	.2
7	*	*	.1	*	*	.0	.1
8-9	.0	*	*	*	*	.0	*
10-11	.0	.0	*	*	*	.0	*
12	.0	.0	*	*	.0	.0	*
13-16	.0	*	*	*	*	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	0	.0	.0	.0	.0	.0	.0
33-40	.0	0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0

ANNUAL

PERIOD: (OVER-ALL) 1963-1971

AREA 0001 TONKIN GULF
18.3N 107.5E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.3	7.6	.2	.0	.0	.0	10.1	
1-2	1.2	20.6	22.8	.0	.0	.0	44.7	
3-4	.2	5.2	23.[illegible]	3.7	.0	.0	32.1	
5-6	*	.4	3.6	1.7	*	.0	5.7	
7	*	.1	2.1	1.9	.1	.0	4.2	
8-9	.0	*	.5	1.0	.1	.0	1.7	
10-11	.0	*	.2	.7	.1	.0	1.0	
12	.0	*	.1	.2	.1	.0	.4	
13-16	.0	*	*	.1	*	.0	.2	
17-19	.0	.0	*	*	*	.0	*	
20-22	.0	.0	.0	*	*	.0	*	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.7	34.0	52.7	9.2	.4	.0	100.0	59257

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.4	32.8	29.3	4.7	3.0	.7	.3	.1	*	*	.0	.0	.0	.0	.0	.0	0	.0	.0	47455	1
6-7	*	1.3	4.2	2.1	2.0	1.0	.5	.1	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	7127	5
8-9	*	.2	.7	.4	.9	.5	.5	.2	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	2165	7
10-11	0	.2	.1	.1	.1	.2	.2	.1	.1	*	*	.0	.0	.0	.0	.0	.0	.0	*	706	7
12-13	.0	.0	.1	*	*	*	.1	*	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	207	7
>13	.0	.0	.0	*	*	*	*	*	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	61	11
INDET	3.4	3.9	2.4	.3	.3	.1	*	*	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	6678	2
TOTAL	3733	24777	23816	4856	3990	1592	1048	353	198	29	6	0	0	0	0	0	0	0	0	64399	0
PCT	5.9	38.3	36.8	7.6	6.2	2.5	1.7	.6	.3	*	*	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1859-1971

AREA 0001 TONKIN GULF
18.3N 107.5E

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	6	*
95/96	.0	.0	.0	0	.0	.0	.0	.0	*	.0	.0	.0	1	*
93/94	.0	.0	.0	.0	*	*	*	.1	.2	.0	.0	.0	28	*
91/92	0	.0	.0	.0	*	.3	1.1	1.6	1.5	.0	.0	.0	318	.4
89/90	.0	.0	.0	.0	.4	2.5	4.6	6.0	9.1	.1	.0	.0	1599	1.9
87/88	.0	.0	.0	.2	2.2	14.0	27.6	21.4	13.2	2.6	.1	.0	5701	6.8
85/86	.0	.0	*	.5	10.3	38.1	32.0	43.8	33.1	16.9	2.3	*	12432	14.9
83/84	.0	.0	.2	1.8	25.0	28.6	20.8	17.6	22.8	32.6	12.6	1.0	11290	13.5
81/82	.6	2	.8	4.8	27.8	13.5	8.0	7.1	13.4	29.2	27.0	5.1	9339	11.2
79/80	8.5	1.5	2.2	15.5	21.6	2.5	2.9	2.0	4.2	14.3	33.0	24.2	8896	10.6
77/78	13.3	6.5	7.8	17.4	7.3	.4	1.4	.2	1.9	1.9	16.9	23.5	6737	8.1
75/76	22.0	13.8	21.6	25.2	3.6	.0	1.1	.1	.3	1.0	5.1	20.2	8074	9.7
73/74	18.8	21.9	19.3	16.8	1.0	.0	.4	.1	.1	.5	2.1	14.2	6772	8.1
71/72	14.3	17.7	16.8	8.1	.5	.0	.1	.0	*	1.0	.7	5.6	4637	5.5
69/70	9.8	16.6	13.0	4.3	.2	.0	.0	.0	.0	*	.2	3.8	3445	4.1
67/68	7.0	7.0	5.6	2.5	*	.0	.0	.0	.0	.0	.0	1.0	1660	2.0
65/66	2.9	4.9	5.6	1.8	.0	.0	.0	.0	.0	.0	.0	.9	1163	1.4
63/64	2.2	4.9	3.6	1.2	.0	.0	.0	.0	.0	.0	.0	.4	880	1.1
61/62	.6	2.8	1.4	*	.0	.0	.0	.0	.0	.0	.0	.0	345	.4
59/60	*	2.2	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	283	.3
57/58	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	30	*
55/56	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	*
53/54	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	*
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	7037	6998	7656	7063	7234	6965	6909	7294	6904	6945	5771	6864	83640	100.0
MEAN	73.5	71.3	72.1	75.6	81.6	84.7	85.2	85.6	84.9	82.5	80.1	76.5	79.4	

PERIOD: (PRIMARY) 1966-1971
(OVER-ALL) 1859-1971

AREA 0001 TONKIN GULF
18.3N 107.5E

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1017	1019	1016	1018	1016	1018	1016	1016	1017	7004
FEB	1017	1018	1016	1014	1015	1016	1016	1015	1016	6902
MAR	1013	1015	1013	1011	1012	1013	1012	1011	1012	7549
APR	1012	1013	1011	1009	1010	1012	1011	1010	1011	6934
MAY	1007	1008	1007	1005	1005	1008	1006	1006	1006	7165
JUN	1005	1006	1005	1003	1004	1006	1005	1004	1005	6880
JUL	1004	1005	1003	1002	1003	1005	1004	1003	1004	6893
AUG	1004	1005	1004	1002	1003	1005	1004	1003	1004	7273
SEP	1007	1009	1007	1006	1006	1008	1007	1007	1007	6800
OCT	1013	1015	1012	1011	1012	1013	1012	1012	1013	6880
NOV	1016	1017	1015	1014	1015	1016	1015	1015	1015	5619
DEC	1017	1018	1016	1015	1016	1017	1016	1016	1016	6735
ANN	1011	1012	1010	1009	1010	1011	1010	1010	1010	82634
OBS	13858	6770	13788	6859	13786	6767	13963	6843		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1005	1007	1009	1014	1017	1020	1024	1026	1029
FEB	1001	1004	1008	1012	1016	1019	1023	1026	1030
MAR	1000	1002	1005	1009	1012	1016	1021	1024	1028
APR	999	1002	1004	1008	1011	1014	1017	1021	1026
MAY	981	998	1001	1004	1006	1009	1012	1014	1018
JUN	992	996	999	1003	1005	1006	1009	1011	1014
JUL	993	996	998	1002	1004	1006	1008	1010	1011
AUG	992	996	999	1002	1004	1006	1010	1012	1014
SEP	987	996	1001	1005	1007	1010	1013	1014	1017
OCT	998	1004	1008	1011	1013	1015	1017	1018	1024
NOV	1002	1006	1010	1013	1015	1017	1020	1022	1026
DEC	1005	1008	1010	1013	1016	1019	1023	1026	1031

JANUARY

PERIOD: (PRIMARY) 1958-1971
(OVER-ALL) 1858-1971

AREA 0002 DA NANG
15.8N 109.0E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	1.5	.4	.9	.0	.0	.0	.0	2.7		.0	.1	.2		*	10.0	
NE	.7	.6	.7	.0	.0	.0	.0	2.0		.0	.1	.2		*	23.5	
E	.2	.2	.3	.0	.0	.0	.0	.6		.0	.1	.<		.0	20.0	
SE	.1	.1	.1	.0	.0	.0	.0	.3		.0	.2	.2		.0	12.1	
S	.1	*	*	.0	.0	.0	.0	.2		.0	.2	.1		.0	4.2	
SW	.1	.1	.1	.0	.0	.0	.0	.3		.0	.2	.2		.0	2.1	
W	.9	.1	.4	.0	.0	.0	.0	1.3		.0	.5	.4		.0	4.3	
NW	1.4	.3	.9	.0	.0	.0	.0	2.5		.0	.3	.3		*	8.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	.1	*	*	.0	.0	.0	.0	.2		.0	.1	.1		.0	1.9	
TOT OBS	253	86	173	0	0	0	0		503	0	83	101		2	4277	4966
TOT PCT	5.1	1.7	3.5	.0	.0	.0	.0	10.1		.0	1.7	2.0		*	86.1	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	5.5	2.2	3.3	.0	.0	.0	.0	10.8		.0	2.6	3.0		.1	83.4	
06&09	4.6	1.4	4.3	.0	.0	.0	.0	10.0		.0	1.3	2.8		.0	85.9	
12&15	5.0	1.2	2.9	.0	.0	.0	.0	9.0		.0	1.4	1.4		.0	88.2	
18&21	5.1	2.0	3.5	.0	.0	.0	.0	10.6		.0	1.3	1.0		.1	87.0	
TOT	253	86	173	0	0	0	0		503	0	83	101		2	4295	4984
PCT	5.1	1.7	3.5	.0	.0	.0	.0	10.1		.0	1.7	2.0		*	86.2	

JANUARY

PERIOD: (PRIMARY) 1958-1971
(OVER-ALL) 1858-1971

TABLE 3

AREA 0002 DA NANG
15.8N 109.0E

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD
N	.6	4.4	6.4	2.0	.1	.0		13.5	13.7
NE	.7	8.5	14.1	3.9	.2	.0		27.3	14.3
E	.6	8.8	11.0	1.0	.0	.0		21.3	11.9
SE	.9	5.2	6.0	.3	.0	.0		12.3	11.0
S	.4	2.5	1.7	*	.0	.0		4.6	9.7
SW	.4	1.6	.5	*	0	.0		2.5	7.2
W	.5	2.7	2.4	.3	.0	.0		5.9	11.3
NW	.5	3.6	5.2	1.1	*	.0		10.5	13.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0
CALM	2.1							2.1	.0
TOT OBS	375	2058	2618	480	16	0	5547		12.3
TOT PCT	6.8	37.1	47.2	8.7	.3	.0		100.0	

HOUR (GMT) 00	03	06	09	12	15	18	21
12.7	11.2	16.2	13.6	15.6	7.3	13.4	11.4
26.9	27.8	27.7	32.2	26.2	26.9	25.6	28.6
18.3	18.9	18.4	24.8	23.9	25.8	22.4	21.0
9.4	9.8	12.7	14.1	12.4	14.6	13.5	13.6
5.8	5.5	3.9	1.1	3.9	5.5	4.6	7.1
5.0	3.5	1.4	.1	1.3	3.6	2.6	2.7
9.4	8.1	4.9	2.7	4.9	3.5	5.9	6.0
11.0	9.3	13.4	9.6	10.2	9.1	10.4	6.6
.0	.0	.0	.0	.0	.0	.0	.0
1.5	5.9	1.4	1.7	1.7	3.8	1.7	3.0
958	354	995	410	1003	364	1000	463
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD
N	2.3	6.6	4.0	.5	.0		13.5	13.7
NE	3.0	14.3	9.1	.9	.0		27.3	14.3
E	4.1	12.9	4.2	.1	.0		21.3	11.9
SE	2.7	7.9	1.7	.1	.0		12.3	11.0
S	1.3	2.9	.4	*	.0		4.6	9.7
SW	1.4	1.0	.1	*	.0		2.5	7.2
W	1.4	3.2	1.2	.1	.0		5.9	11.3
NW	1.7	5.3	3.3	.2	.0		10.5	13.4
VAR	.0	.0	.0	.0	.0		.0	.0
CALM	2.1						2.1	.0
TOT OBS	1109	3008	1331	99	0	5547		12.3
TOT PCT	20.0	54.2	24.0	1.8	.0		100.0	

HOUR (GMT) 00 03	06 09	12 15	18 21
12.3	15.5	13.4	12.7
27.2	29.0	26.3	26.5
18.5	20.2	24.4	22.0
9.5	13.1	12.9	13.5
5.7	3.1	4.4	5.4
4.6	1.0	1.9	2.6
9.1	4.3	4.5	5.9
10.5	12.3	9.9	9.2
.0	.0	.0	.0
2.7	1.5	2.3	2.1
13.2	1405	1367	1463
100.0	100.0	100.0	100.0

JANUARY

PERIOD: (PRIMARY) 1958-1971
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AREA 0002 DA NANG
15.8N 109.0E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.7	5.9	36.7	44.6	9.7	.5	.0	12.2	100.0	1312
06&09	1.5	5.4	36.6	47.8	8.5	.3	.0	12.3	100.0	1405
12&15	2.3	3.0	36.0	50.5	8.1	.1	.0	12.7	100.0	1367
18&21	2.1	4.3	39.0	45.9	8.4	.2	.0	12.2	100.0	1463
TOT	118	257	2058	2618	480	16	0	12.3		5547
PCT	2.1	4.6	37.1	47.2	8.7	.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.3	1.0	3.6	6.6		6.4
NE	3.5	3.5	8.7	6.9		5.5
E	8.5	3.3	6.1	3.6		4.0
SE	7.2	2.0	3.1	1.5		3.2
S	2.2	.9	1.2	.8		3.7
SW	.8	.3	.7	1.2		5.1
W	.6	.3	2.0	4.3		6.8
NW	.5	.6	3.1	7.7		7.0
VAR	.0	.0	.0	.0		.0
CALM	.6	.3	1.0	.6		5.0
TOT OBS	1097	530	1284	1443	4354	5.1
TOT PCT	25.2	12.2	29.5	33.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM) 4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	.0	*	.5	.6	4.3	2.5	.6	.3	.1	*	3.6	
NE	.2	*	.2	.8	6.6	3.6	.6	.3	.2	.1	10.0	
E	.1	.0	*	.1	3.5	2.6	.3	.2	.1	.1	14.5	
SE	.0	*	.1	.1	.9	.9	.1	.1	.1	.1	11.5	
S	.0	*	*	.1	.4	.4	.1	*	*	*	4.0	
SW	*	*	*	.2	.9	.3	*	.0	*	*	1.5	
W	*	*	.5	.7	2.5	1.3	.2	.1	.1	.0	1.7	
NW	*	*	.4	.6	5.5	2.4	.3	.2	.1	.0	2.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	*	.2	.2	.4	.0	.0	.0	*	1.7	
TOT OBS	13	6	82	145	1077	625	94	54	28	19	2211	4354
TOT PCT	.3	.1	1.9	3.3	24.7	14.4	2.2	1.2	.6	.4	50.8	100.0

JANUARY

PERIOD: (PRIMARY) 1958-1971
(OVER-ALL) 1858-1971

AREA 0002 DA NANG
15.8N 109.0E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1
= OR >5000	1.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3
= OR >3500	2.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4
= OR >2000	10.2	18.3	18.8	18.8	18.8	18.8	18.8	18.8
= OR >1000	21.4	40.7	43.3	43.5	43.5	43.5	43.5	43.5
= OR >600	22.0	42.9	46.5	46.8	46.8	46.8	46.8	46.8
= OR >300	22.1	43.6	47.9	48.6	48.6	48.6	48.7	48.7
= OR >150	22.2	43.7	48.0	48.7	48.8	48.8	48.8	48.8
= OR > 0	22.5	44.0	48.4	49.1	49.2	49.2	49.2	49.2
TOTAL	980	1919	2111	2144	2147	2148	2149	2149

TOTAL NUMBER OF OBS: 4365

PCT FREQ NH <5/8: 50.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
10.0	8.7	17.7	8.4	5.8	6.3	10.5	6.3	25.8	.6	4469

JANUARY

PERIOD: (PRIMARY) 1958-1971
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AREA 0002 DA NANG
15.8N 109.0E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	.0	.0	.0	.0	*	.0	.0	.0	.1	
	NO PCP	.0	*	.0	*	*	*	*	*	.0	.0	.2	
	TOT %	*	.1	.0	*	*	*	*	*	.0	.0	.3	
1/2<1	PCP	*	*	.0	.0	.0	.0	.0	*	.0	.0	.1	
	NO PCP	.0	*	.0	*	*	*	*	.0	.0	.0	.1	
	TOT %	*	*	.0	*	*	*	*	*	.0	.0	.2	
1<2	PCP	.2	.1	*	*	*	*	.2	.2	.0	.0	.8	
	NO PCP	.1	*	*	*	.0	.0	.0	*	.0	.0	.2	
	TOT %	.2	.1	*	.1	*	*	.2	.2	.0	.0	1.0	
2<5	PCP	1.1	.4	.1	.1	.1	.1	.5	.8	.0	*	3.2	
	NO PCP	.3	.2	.2	*	.1	.1	.2	.2	.0	.1	1.4	
	TOT %	1.4	.6	.3	.1	.2	.2	.7	1.0	.0	.1	4.6	
5<10	PCP	1.1	.8	.3	.2	.1	.2	.5	1.2	.0	.1	4.5	
	NO PCP	3.3	5.8	4.5	3.5	1.4	.8	2.9	4.7	.0	1.4	28.8	
	TOT %	4.9	6.7	4.8	3.7	1.5	1.0	3.4	5.9	.0	1.5	33.3	
10+	PCP	.3	.5	.2	.0	.0	*	.1	.3	.0	.0	1.5	
	NO PCP	6.1	17.7	15.8	8.9	2.9	1.5	2.0	3.6	.0	.6	59.2	
	TOT %	6.5	18.2	16.0	8.9	2.9	1.5	2.1	3.9	.0	.6	60.6	
	TOT OBS												4965
	TOT PCT	13.0	25.7	21.1	12.9	4.7	2.7	6.5	11.1	.0	2.2	100.0	

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PERIOD: (PRIMARY) 1958-1971
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AREA 0002 DA NANG
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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	*	.0	.0	.0	*	.0	.0	.0	.0	*	
<1/2	4-10	.0	.0	.0	*	*	.0	*	.0	.0		.1	
	11-21	*	*	.0	.0	.0	.0	.0	*	.0		.1	
	22+	.0	*	.0	.0	.0	.0	.0	.0	.0		*	
	TOT %	*	.1	.0	*	*	*	*	*	.0	.0	.2	
	0-3	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
1/2<1	4-10	*	*	*	*	.0	*	*	.0	.0		.1	
	11-21	.0	*	.0	.0	*	.0	.0	*	.0		.1	
	22+	.0	*	.0	.0	.0	.0	.0	.0	.0		*	
	TOT %	*	.1	*	*	*	*	*	*	.0	.0	.2	
	0-3	*	*	.0	.0	.0	.0	.0	.0	.0	*	.1	
1<2	4-10	*	*	*	*	.0	.0	.0	.1	.0		.3	
	11-21	.1	1	*	.1	*	*	.1	.1	.0		.6	
	22+	.1	*	.0	.0	.0	.0	.1	*	.0		.2	
	TOT %	.3	.2	.1	.1	*	*	.2	.3	.0	*	1.1	
	0-3	.1	*	*	*	*	*	.1	*	.0	.1	.4	
2<5	4-10	.3	.2	.1	.1	.1	.1	.2	2	.0		1.3	
	11-21	.7	.4	.1	*	.1	*	.4	.7	.0		2.5	
	22+	.3	.2	*	.0	.0	.0	*	.1	.0		.7	
	TOT %	1.5	.8	.3	.1	.1	.2	.7	1.1	.0	.1	4.9	
	0-3	.3	.2	.1	3	.1	.1	.3	.3	.0	1.4	3.3	
5<10	4-10	1.5	2.0	2.1	1.4	.7	.6	1.4	1.7	.0		11.5	
	11-21	2.3	3.3	2.2	1.7	.6	.2	1.3	2.8	.0		14.4	
	22+	.7	1.1	.2	.1	*	.0	.2	.7	.0		3.1	
	TOT %	4.8	6.7	4.7	3.5	1.4	.9	3.2	5.6	.0	1.4	32.3	
	0-3	.3	.4	.4	.5	.2	.2	.2	.2	.0	.7	3.1	
10+	4-10	2.4	5.8	6.2	3.6	1.7	.9	1.1	1.6	.0		23.4	
	11-21	3.1	10.2	8.9	4.4	1.0	.3	.7	1.7	.0		30.2	
	22+	.8	2.5	.7	.2	*	*	*	.3	.0		4.6	
	TOT %	6.6	18.9	16.2	8.7	2.9	1.4	2.0	3.9	.0	.7	61.2	
	TOT OBS												5276
	TOT PCT	13.2	26.7	21.3	12.5	4.5	2.6	6.2	10.8	.0	2.2	100.0	

JANUARY

PERIOD: (PRIMARY) 1958-1971
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AREA 0002 DA NANG
15.8N 108.0E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.3	.1	1.9	5.1	29.3	14.1	3.0	1.4	.3	.6	56.1	43.9	1084
06&09	.5	.2	2.5	2.6	23.2	14.5	2.1	1.2	.7	.4	47.9	52.1	1073
12&15	.8	.3	1.7	2.4	21.9	15.7	1.3	1.1	.6	.4	44.0	56.0	1135
18&21	.4	0	1.3	3.1	23.3	14.5	2.1	1.2	.9	.4	47.3	52.7	1123
TOT	19	6	82	145	1078	627	94	54	28	19	2152	2263	4415
PCT	.4	.1	1.9	3.3	24.4	14.2	2.1	1.2	.6	.4	48.7	51.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.5	.3	1.3	5.8	34.4	57.8	1073
06&09	.3	.1	1.0	4.2	32.4	61.9	1064
12&15	.1	.1	.5	.1	35.6	58.6	1132
18&21	.2	.2	.6	4.5	38.2	56.4	1119
TOT	11	7	38	215	1544	2573	4388
PCT	.3	.2	.9	4.9	35.2	58.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.9	3.3	12.2	46.1	41.7	1073
06&09	.9	3.0	8.9	39.9	51.1	1064
12&15	1.1	3.1	8.7	36.1	55.2	1132
18&21	.8	2.4	8.2	39.9	51.8	1119
TOT	42	137	416	1776	2196	4388
PCT	1.0	3.1	9.5	40.5	50.0	100.0

PERIOD: (PRIMARY) 1958-1971
(OVER-ALL) 1858-1971

AREA 0002 DA NANG
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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	*	.0	.0	.0	.0	2	*
85/89	.0	.0	.0	.1	.2	.1	.0	.0	18	.4
80/84	.0	.0	*	1	1.2	2.9	.8	.2	230	5.2
75/79	.0	.0	*	.2	2.1	13.4	17.3	5.6	1698	38.6
70/74	.0	.0	.0	.2	1.8	7.7	15.3	13.8	1712	38.9
65/69	.0	.0	.0	.1	.5	1.6	5.4	6.7	629	14.3
60/64	.0	.0	.0	.0	*	.3	.8	1.4	112	2.5
55/59	.0	.0	.0	.0	.0	.0	*	*	3	.1
TOTAL	0	0	2	33	259	1142	1742	1226	4404	100.0
PCT	.0	.0	*	.7	5.9	25.9	39.6	27.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	*	*	.0	.0	.0	.0	.0	.0	.0
*	.1	.2	.1	*	.0	*	*	.0	.0
.4	1.1	.9	1.6	.5	.1	.1	.1	.0	.4
3.7	10.3	10.6	7.1	2.7	.8	.7	1.5	.0	1.2
5.2	9.7	8.8	4.4	1.5	1.3	2.6	4.9	.0	.5
2.9	1.5	.8	.4	.3	.8	3.0	4.5	.0	.2
.5	.1	*	*	*	.1	.8	.9	.0	.0
.0	.0	.0	.0	0	.0	*	*	.0	.0
12.7	22.8	21.3	13.6	5.0	3.0	7.2	11.9	.0	2.4

TABLE 15

MEANS-EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	84	81	79	74	66	63	59	73.2	1308
06&09	91	85	82	76	67	63	58	75.4	1401
12&15	86	81	79	74	66	63	58	73.5	1368
18&21	83	79	77	73	66	63	57	72.7	1463
TOT	91	83	80	74	66	63	57	73.7	5540

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.7	5.2	23.3	40.0	30.7	84	1077
06&09	.0	1.7	12.1	35.6	33.9	16.8	80	1068
12&15	.0	.5	3.2	26.0	41.7	28.6	84	1136
18&21	.0	.3	3.4	19.3	42.2	34.8	85	1132
TOT	0	35	259	1145	1745	1229	83	4413

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PERIOD: (PRIMARY) 1953-1971
(OVER-ALL) 1858-1971

AREA 0002 DA NANG
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
20/22	.0	.0	.0	.0	.0	.0	*	.0	.0	2	.0	*
17 19	.0	.0	.0	.0	.0	.1	.0	.0	.0	4	.0	.1
14/16	.0	.0	.0	.0	.2	.1	.0	*	*	16	.0	.3
11/13	.0	.0	.0	*	.4	*	*	.1	*	28	*	.6
9/10	.0	0	.0	*	.1	.2	.2	.1	*	29	.0	.6
7/8	.0	.0	.0	.1	.4	.4	.4	.1	.0	58	.0	1.4
6	.0	.0	.0	.2	.5	.3	.4	.0	.0	67	*	1.3
5	.0	.0	.0	.3	1.1	.5	.6	*	.0	121	*	2.5
4	.0	.0	.0	.8	1.2	.8	.5	.0	.0	162	.1	3.3
3	.0	.0	.1	1.4	1.4	1.1	.5	.0	.0	214	*	4.4
2	.0	.0	.2	1.3	2.0	2.0	.4	*	.0	285	.1	5.8
1	.0	.0	.2	2.2	2.1	2.2	.2	*	.0	333	.1	6.8
0	.0	.0	.5	2.3	6.0	3.6	.1	.0	.0	606	.2	12.3
-1	.0	.1	.6	2.3	4.8	3.1	.0	.0	.0	526	.3	10.6
-2	.0	*	.9	2.3	6.3	1.9	.0	.0	.0	549	.1	11.2
-3	.0	.1	1.2	1.5	5.0	1.5	.0	.0	.0	452	.1	9.3
-4	*	.3	1.0	2.3	4.3	.4	.0	.0	.0	398	.1	8.1
-5	.0	.2	1.3	1.6	2.7	.2	.0	.0	.0	291	.2	5.8
-6	.0	.5	.8	1.5	1.9	*	.0	.0	.0	223	.1	4.5
-7/-8	*	.5	.8	2.2	1.3	.1	.0	.0	.0	235	.1	4.8
-9/-10	.1	.4	.7	1.2	.2	.0	.0	.0	.0	121	.1	2.4
-11/-13	*	.2	.7	.6	.1	.0	.0	.0	.0	84	*	1.7
-14/-16	*	.1	.2	*	*	.0	.0	.0	.0	21	.0	.4
TOTAL										4837		
PCT	.2	2.4	9.1	24.2	42.0	18.4	3.3	.4	.1	100.0	1.7	98.3

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

AREA 0002 DA NANG
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.2	.0	.0	.0	.0	1.6
1-2	.3	2.1	1.7	.0	.0	.0	4.0
3-4	.0	.6	2.8	.9	.0	.0	4.2
5-6	.0	.1	.8	.2	.0	.0	1.1
7	.0	*	.5	.3	.0	.0	.9
8-9	.0	.0	.1	.2	.0	.0	.3
10-11	.0	*	.0	.3	.0	.0	.3
12	.0	.0	*	.1	.0	.0	.1
13-16	.0	.0	*	*	*	.0	.1
17-19	.0	.0	.0	*	*	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	7	4.0	5 9	2.0	.1	.0	12.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.1	.1	.0	.0	.0	1.4
1-2	.1	3.0	3.1	.0	.0	.0	6.3
3-4	.1	1.1	5.6	.9	.0	.0	7.7
5-6	*	.2	2.0	.6	*	.0	2.8
7	.0	.1	1.2	.8	.0	.0	2.0
8-9	.0	.1	.5	.4	.0	.0	1.0
10-11	.0	.0	.6	.7	.0	.0	1.3
12	.0	.0	.2	.2	.0	.0	.4
13-16	.0	.0	.1	.1	*	.0	.3
17-19	.0	.0	.0	.0	*	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	5.5	13.4	3.7	.1	.0	23.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.4	.1	.0	.0	.0	1.8
1-2	.3	4.2	5.4	.0	.0	.0	9.9
3-4	*	1.6	4.1	.4	.0	.0	6.1
5-6	0	.3	9	.2	.0	.0	1.3
7	.0	.0	.5	*	.0	.0	.5
8-9	.0	*	.3	.2	.0	.0	.5
10-11	.0	.0	.2	.1	.0	.0	.3
12	.0	.0	.2	.1	.0	.0	.2
13-16	.0	0	*	.0	0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	0	0	.0	0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	0	.0
61-70	0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	7 5	11.5	1.0	.0	.0	20.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.1	.1	.0	.0	.0	1.7
1-2	.3	2.9	4.9	.0	.0	.0	8.2
3-4	*	.4	2.4	.2	.0	.0	3.0
5-6	.0	*	.2	.0	.0	.0	.2
7	.0	*	.0	.0	.0	.0	*
8-9	.0	*	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	4.6	7.6	.2	.0	.0	13.1

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

AREA 0002 DA NANG
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.8	*	0	.0	0	1.0
1-2	1	1.8	1.3	.0	.0	0	3.2
3-4	0	.4	.4	*	.0	.0	.8
5-6	.0	.1	.1	*	.0	.0	.2
7	.0	0	0	0	.0	.0	.0
8-9	.0	0	0	.0	.0	.0	.0
10-11	.0	0	.0	.0	.0	.0	.0
12	.0	0	.0	.0	.0	0	.0
13-16	.0	0	0	.0	.0	.0	.0
17-19	0	.0	.0	.0	.0	.0	.0
20	0	.0	0	.0	.0	.0	.0
23-25	0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	0	.0	.0
61-70	0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4	3.0	1.8	.1	.0	.0	5.3

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.9	*	.0	.0	.0	1.2
1-2	.2	.7	.3	.0	.0	.0	1.1
3-4	.1	.2	.2	.0	.0	.0	.4
5-6	.0	.0	*	.0	.0	0	*
7	.0	0	0	.0	.0	.0	.0
8-9	.0	*	.0	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	0	.0
12	.0	0	.0	.0	.0	.0	.0
13-16	0	0	.0	.0	0	.0	.0
17-19	.0	.0	.0	0	.0	.0	.0
20-22	.0	.0	.0	.0	0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	1.8	.5	.0	.0	.0	2.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.0	*	.0	.0	.0	1.5
1-2	*	1.8	1.4	.0	.0	.0	3.3
3-4	0	.4	1.0	*	.0	.0	1.4
5-6	.0	*	.2	.1	.0	.0	.3
7	0	*	.3	.2	.0	.0	.5
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	0	.0	.0	0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	0	.0	.0	.0
61-70	.0	0	.0	0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	0	.0	0	.0	.0	.0
TOT PCT	.5	3.2	3.1	3	.0	.0	7.2

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.4	.0	.0	.0	.0	1.8
1-2	.2	2.1	3.0	.0	.0	.0	5.3
3-4	.0	.6	2.2	.4	.0	.0	3.2
5-6	.0	*	.7	.4	.0	.0	1.1	
7	.0	.1	.6	.1	.0	.0	.8
8-9	.0	.1	.3	*	.0	.0	.3
10-11	.0	*	.0	.1	.0	.0	.1
12	0	.0	*	.0	.0	.0	*
13-16	.0	.0	*	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	4.2	6.7	1.1	.0	.0	12.7

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PERIOD: (OVER ALL) 1963-1971

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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.8	8.8	.3	.0	.0	.0	14.9	
1-2	1.5	18.5	21.0	.C	0	.0	41.0	
3-4	.2	5.2	18.4	2.8	.0	.0	26.6	
5-6	*	.7	4.8	1.5	*	.0	7.1	
7	.0	.3	3.1	1.5	.0	.0	4.8	
8-9	.0	2	1.3	.9	.0	.0	2.3	
10-11	.0	*	.7	1.2	.0	.0	2.0	
12	.0	.0	.5	.4	.0	.0	.9	
13-16	.0	.0	.2	.2	.1	.0	.4	
17-19	.0	.0	.0	*	*	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	0	.0	
87+	0	.0	.0	.0	.0	.0	.0	
								3173
TOT PCT	7.5	33.7	50.3	8.4	.1	.0	100.0	

PERIOD (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.1	19.6	22.5	5.4	2.9	1.2	.8	3	.3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1968	3
6-7	.0	5.6	6.6	3.1	3.6	1.5	.9	.5	.1	.1	.0	.0	.0	0	.0	.0	.0	.0	.0	784	5
8-9	*	1.6	3.0	1.1	2.2	1.1	.6	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	356	5
10-11	0	3	4	.3	.2	.3	.2	.3	.2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	78	7
12-13	0	.0	1	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	9
>13	.0	.0	.0	*	.0	*	*	.0	*	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	5	12
INDET	2.0	3.3	3.0	.7	.8	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	371	3
TOTAL	148	1062	1276	385	349	157	94	51	29	7	1	0	0	0	0	0	0	0	0	3579	4
PCT	4.1	30.2	35.7	10.8	9.8	4.4	2.6	1.4	.8	.2	*	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

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PERIOD: (PRIMARY) 1959-1971
(OVER-ALL) 1870-1971

AREA 0002 DA NANG
15.8N 109.0E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	PRECIPITATION TYPE DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.8	.2	.7	.0	.0	.0	.0	1.6		.0	.3	.2		.0	11.7	
NE	.4	.3	.4	.0	.0	.0	.0	1.1		.0	.2	.2		*	14.6	
E	.1	.1	.1	.0	.0	.0	.0	.2		*	.2	.4		.0	12.1	
SE	.1	*	*	.0	.0	.0	.0	.1		*	.6	1.5		.0	14.4	
S	*	*	.0	.0	.0	.0	.0	*		.0	.2	.4		.0	5.9	
SW	1	*	.1	.0	.0	.0	.0	.2		.0	.2	.2		.0	2.2	
W	.9	.1	1.3	.6	.0	.0	.0	2.3		.0	.6	.4		.0	5.3	
NW	2.5	.4	2.2	.3	.0	.0	.0	5.1		.0	.6	.5		.0	13.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	*	*	*	.0	.0	.0	.0	.1		.0	.3	.4		.0	1.5	
TOT OBS	259	56	261	0	0	0	0		565	3	172	223		1	4262	5226
TOT PCT	5.0	1.1	5.0	.0	.0	.0	.0	10.6		1	3.3	4.3		*	81.6	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	PRECIPITATION TYPE DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	5.1	.6	5.5	.0	.0	.0	.0	11.1		.0	6.4	4.6		.0	77.9	
06&09	4.1	1.4	3.7	.0	.0	0	.0	9.0		.0	2.5	6.1		.1	82.3	
12&15	5.3	1.0	5.4	.0	.0	.0	.0	11.6		.2	2.1	3.5		.0	82.5	
18&21	5.2	1.2	5.4	.0	.0	.0	0	11.5		.0	2.3	2.9		.0	83.2	
TOT	259	56	261	0	0	0	0		565	3	173	224		1	4265	5231
PCT	5.0	1.1	5.0	.0	0	.0	.0	10.8		.1	3.3	4.3		*	81.5	

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PERIOD: (PRIMARY) 1959-1971
(OVER-ALL) 1870-1971

TABLE 3

AREA 0002 DA NANG
15.8N 109.0E

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.4	4.1	6.9	2.4	*	.0		13.8	14.3	12.8	9.2	17.6	15.5	17.0	8.1	12.1	9.6
NE	.7	6.4	6.5	1.8	.1	.0		17.6	13.2	16.1	16.2	20.3	19.7	18.4	16.2	14.7	19.0
E	.8	7.4	5.1	.3	*	.0		13.6	10.2	11.6	13.6	13.5	16.7	13.5	14.2	14.0	14.3
SE	.9	8.2	7.4	.3	.0	.0		16.7	10.7	12.0	14.2	16.0	19.7	20.1	18.6	17.4	16.2
S	.5	3.9	2.2	.1	.0	.0		6.7	9.3	9.1	9.6	5.1	4.1	4.5	6.6	8.0	8.0
SW	.3	1.7	.5	.1	.0	.0		2.6	8.4	4.8	2.5	1.8	.6	1.1	3.2	3.7	2.9
W	.4	2.3	4.3	.8	*	.0		7.9	13.3	11.8	8.7	5.6	3.7	5.3	11.3	9.2	8.3
NW	.4	3.8	10.1	4.2	.1	.0		18.6	16.2	18.6	19.9	18.1	18.4	18.8	19.0	18.8	18.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.5							2.5	.0								
TOT OBS	403	2201	2610	581	19	0	5814		12.4	3.2	6.1	2.1	1.6	1.4	2.6	2.0	3.3
TOT PCT	6.9	37.9	44.9	10.0	.3	.0		100.0		1014	347	1071	435	1104	350	1039	454
										100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-15	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.1	6.7	4.6	.4	.0		13.8	14.3	11.9	17.0	14.9	11.4
NE	2.8	9.8	4.5	.5	.1		17.6	13.2	16.1	20.1	17.9	16.0
E	3.3	8.9	1.3	.1	.0		13.6	10.2	12.1	14.4	13.6	14.1
SE	3.5	11.2	2.0	*	.0		16.7	10.7	12.5	17.1	19.8	17.1
S	2.0	4.2	.5	.0	.0		6.7	9.3	9.3	4.8	5.0	8.0
SW	1.2	1.2	.2	.0	.0		2.6	8.4	4.2	1.5	1.6	3.4
W	1.4	4.0	2.4	.1	.0		7.9	13.3	11.0	5.1	6.7	9.0
NW	1.4	8.5	7.8	1.0	.0		18.6	16.2	18.9	18.2	18.8	18.6
VAR	0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.5						2.5	.0	3.9	1.9	1.7	2.4
TOT OBS	1170	3165	1351	125	3	5814		12.4	1361	1506	1454	1493
TOT PCT	20.1	54.4	23.2	2.1	.1		100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1959-1971
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AREA 0002 DA NANG
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.9	6.6	38.4	41.2	9.5	.4	.0	11.8	100.0	1361
06&09	1.9	4.5	38.0	45.6	9.8	.2	.0	12.6	100.0	1506
12&15	1.7	3.0	35.2	48.8	10.8	.4	.0	13.0	100.0	1454
18&21	2.4	3.9	39.9	43.7	9.9	.3	.0	12.1	100.0	1493
TOT	143	260	2201	2610	581	19	0	12.4		5814
PCT	2.5	4.5	37.9	44.9	10.0	.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.8	1.2	3.7	7.3		6.2
NE	2.8	2.0	5.2	4.2		5.3
E	5.1	2.2	3.0	1.7		3.8
SE	10.1	2.5	3.5	1.3		2.8
S	3.7	1.0	1.2	.4		2.7
SW	1.0	.3	.6	1.0		4.6
W	.8	.3	1.1	7.0		7.0
NW	1.2	.7	3.9	15.9		7.1
VAR	.0	.0	.0	.0		.0
CALM	1.0	.3	.5	.7		4.3
TOT OBS	1264	481	1051	1804	4600	5.1
TOT PCT	27.5	10.5	22.8	39.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
*	.2	.4	.8	4.4	3.0	.5	.2	.1	.0	4.1	
.1	*	.2	.7	3.3	2.7	.2	.2	.1	.1	6.5	
*	.0	.0	.3	1.7	1.2	.2	.1	.1	.1	8.3	
.1	*	*	.2	1.1	1.0	.1	*	.2	.1	14.4	
.0	.0	.1	.1	.3	.4	*	*	.0	.1	5.3	
.0	.0	*	*	.8	.5	*	*	*	*	1.6	
.1	.2	.8	1.2	4.1	1.2	.1	*	*	.0	1.5	
.1	.7	2.4	2.8	7.8	4.3	.4	.1	.2	*	3.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
*	.0	.2	.1	.3	.3	*	*	.0	*	1.5	
17	47	191	284	1096	672	73	35	38	19	2128	4600
.4	1.0	4.2	6.2	23.8	14.6	1.6	.8	.8	.4	46.3	100.0

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PERIOD: (PRIMARY) 1959-1971
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AREA 0002 DA NANG
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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >SOYD	= OR >0
= OR >6500	.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2
= OR >5000	1.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0
= OR >3500	2.1	3.5	3.6	3.6	3.6	3.6	3.6	3.6
= OR >2000	11.1	17.9	18.2	18.2	18.2	18.2	18.2	18.2
= OR >1000	21.3	40.0	41.8	42.0	42.0	42.0	42.0	42.0
= OR >600	22.3	45.0	47.8	48.1	48.2	48.2	48.2	48.2
= OR >300	22.6	47.7	51.7	52.2	52.3	52.3	52.3	52.3
= OR >150	22.6	48.3	52.6	53.2	53.3	53.3	53.3	53.3
= OR > 0	22.7	48.4	52.7	53.4	53.5	53.6	53.7	53.7
TOTAL	1043	2225	2425	2455	2463	2465	2469	2471

TOTAL NUMBER OF OBS: 4601 PCT FREQ NH <5/8: 46.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
12.6	6.8	15.1	6.6	4.8	5.3	9.4	5.0	33.4	1.0	4720

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PERIOD: (PRIMARY) 1959-1971
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TABLE 8

AREA 0002 DA NANG
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PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	NO PCP	*	.0	*	.2	*	*	.1	.1	.0	.1	.6	
	TOT %	*	.0	*	.2	*	*	.1	.1	.0	.1	.6	
1/2<1	PCP	*	*	.0	.0	.0	.0	*	.1	.0	.0	.2	
	NO PCP	.0	.0	*	*	.0	*	*	*	.0	*	.2	
	TOT %	*	*	*	*	.0	*	*	.2	.0	*	.3	
1<2	PCP	.2	.1	.0	.0	.0	.0	*	.3	.0	.0	.6	
	NO PCP	*	*	*	.1	*	*	.1	*	.0	*	.3	
	TOT %	.2	.1	*	.1	*	*	.1	.3	.0	*	.8	
2<5	PCP	.4	.2	*	*	.0	.1	.7	1.4	.0	*	2.9	
	NO PCP	.2	.2	.1	.4	.1	.1	.4	.3	.0	.2	2.0	
	TOT %	.6	.4	.2	.4	.1	.2	1.1	1.7	.0	.2	4.9	
5<10	PCP	.2	.6	.1	.1	*	.2	1.4	3.2	.0	*	6.4	
	NO PCP	4.2	3.4	2.5	4.4	2.0	1.2	3.5	7.3	.0	1.1	29.7	
	TOT %	5.0	4.0	2.6	4.5	2.0	1.3	5.0	10.5	.0	1.2	36.1	
10+	PCP	.1	.2	.1	*	.0	.0	.1	.1	.0	*	.7	
	NO PCP	7.7	11.4	10.0	11.6	4.3	1.2	2.2	7.3	.0	.7	56.5	
	TOT %	7.9	11.7	10.1	11.6	4.3	1.2	2.3	7.4	.0	.7	57.2	
	TOT OBS												5225
	TOT PCT	13.8	16.2	12.9	16.8	6.5	2.8	8.6	20.2	.0	2.3	100.0	

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PERIOD: (PRIMARY) 1959-1971
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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.1	*	.0	*	*	.0	.1	.3	
<1/2	4-10	*	.0	*	.1	*	*	*	.1	.0		.3	
	11-21	.0	.0	.0	.0	.0	.0	*	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	*	.2	.1	*	.1	.1	.0	.1	.7	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
1/2<1	4-10	.0	*	*	*	.0	*	.0	*	.0		.1	
	11-21	.0	*	.0	.0	.0	.0	*	.1	.0		.1	
	22+	*	.0	.0	.0	.0	.0	.0	.1	.0		.1	
	TOT %	*	*	*	*	.0	*	*	.2	.0	*	.3	
	0-3	*	*	.0	*	.0	.0	.0	.0	.0	*	.1	
1<2	4-10	*	*	*	*	*	*	.1	*	.0		.2	
	11-21	.1	.1	.0	.0	.0	.0	*	.2	.0		.4	
	22+	.1	*	.0	.0	.0	.0	*	.1	.0		.2	
	TOT %	.2	.1	*	.1	*	*	.1	.3	.0	*	.9	
	0-3	*	*	*	*	*	*	.0	*	.0	.2	.4	
2<5	4-10	.1	.2	.1	.3	.1	.1	.2	.2	.0		1.2	
	11-21	.4	.2	.1	.2	*	.1	.8	1.0	.0		2.7	
	22+	.1	.1	*	.0	.0	.0	.1	.4	.0		.7	
	TOT %	.7	.4	.2	.4	.2	.2	1.1	1.7	.0	.2	5.0	
	0-3	.1	.2	.3	.3	.3	.1	.2	.1	.0	1.2	2.8	
5<10	4-10	1.3	1.3	1.4	2.0	1.2	.8	1.2	1.8	.0		11.0	
	11-21	2.4	1.6	.8	2.0	.5	.3	2.8	5.6	.0		16.0	
	22+	1.1	.7	.1	.1	*	.1	.5	2.5	.0		5.0	
	TOT %	4.8	3.9	2.5	4.4	2.0	1.3	4.7	10.0	.0	1.2	34.8	
	0-3	.3	.4	.4	.5	.2	.2	.2	.2	.0	.9	3.2	
10+	4-10	2.6	4.5	5.6	5.7	2.5	.9	1.0	1.7	.0		24.5	
	11-21	4.0	6.1	4.2	5.5	1.7	.1	.8	3.8	.0		26.3	
	22+	1.0	1.1	.3	.2	.1	*	.2	1.5	.0		4.3	
	TOT %	7.8	12.0	10.5	11.9	4.5	1.2	2.3	7.2	.0	.9	58.3	
	TOT OBS												5502
	TOT PCT	13.6	16.5	13.3	17.0	6 7	2.8	8.3	19.5	.0	2.4	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.6	1.4	5.4	7.6	24.3	15.6	1.2	.8	.7	.4	58.7	41.3	1115
06&09	.3	1.0	4.7	6.3	23.0	12.8	1.5	.9	.6	.1	51.1	48.9	1170
12&15	.2	1.2	3.5	5.2	22.4	13.6	1.6	.7	1.2	.5	50.1	49.9	1213
18&21	.3	.4	3.0	5.4	24.2	16.0	2.0	.7	.7	.6	53.5	46.5	1143
TOT	17	47	191	284	1096	672	73	35	38	19	2472	2169	4641
PCT	.4	1.0	4.1	6.1	23.6	14.5	1.6	.8	.8	.4	53.3	46.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	1.3	.4	1.5	8.0	36.2	52.5	1118
06&09	.1	.3	.9	5.1	35.6	58.1	1166
12&15	.7	.1	.7	4.3	39.6	54.6	1216
18&21	.8	.5	.4	4.1	40.3	53.8	1144
TOT	34	15	40	248	1763	2544	4644
PCT	.7	.3	.9	5.3	38.0	54.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.NM >4/8) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	1.7	8.9	21.6	40.6	37.8	1118
06&09	.8	6.4	15.0	37.4	47.6	1166
12&15	1.3	5.9	13.2	38.2	48.6	1216
18&21	1.5	5.2	12.8	42.5	44.7	1144
TOT	61	305	723	1841	2080	4644
PCT	1.3	6.6	15.6	39.6	44.8	100.0

PERIOD: (PRIMARY) 1959-1971
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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMILITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.1	.1	2	2	*	*	31	7
80/84	.0	.0	.0	1	1 0	2.9	9	4	246	5 3
75/79	.0	0	.0	1	1 0	9.8	15 5	8.6	1628	35 0
70/74	.0	0	0	1	8	5 7	13.4	10 3	1406	30 2
65/69	.0	.0	*	.0	2	2 6	8.4	7.2	859	18 5
60/64	.0	0	0	.0	*	5	3.6	5 8	459	9 9
55/59	.0	.0	.0	.0	0	1	2	3	25	5
TOTAL	0	0	4	16	150	1013	1955	1516	4654	100 0
PCT	.0	.0	.1	3	3 2	21 8	42.0	32 6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	1	1	.1	2	*	0	0	0	.0	*
	4	8	8	2 1	6	2	*	2	0	.1
2 6	6 1	7 3	11 5	3 8	1 1	7	1 3	0	.6	
6 3	6 0	2 2	3 4	1 7	9	1 8	5 7	.0	1.1	
3 6	1 2	3	1	1	5	2 6	9 5	C	6	
6	1	*	*	*	3	4 0	4 7	0	*	
0	0	0	.0	0	1	3	2	0	.0	
13 7	14 4	11 8	17 3	6 3	3 0	9 5	21 6	0	2.4	

TABLE 15

MEANS.EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	82	79	73	62	60	56	72.3	1355
06&09	89	86	82	76	63	60	57	74.6	1487
12&15	85	82	79	74	63	60	58	72.7	1452
18&21	82	79	78	73	63	60	57	71 8	1488
TOT	89	83	80	74	63	60	56	72 9	5782

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	3	2 2	21 0	42 9	33 7	85	1099
06&09	0	1.2	8 8	36.6	33 8	19.6	81	1162
12&15	.0	.2	1 4	17.1	46.8	34.6	86	1223
18&21	0	1	6	12.6	44 3	42.4	87	1171
TOT	0	20	150	1013	1955	1517	85	4655

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.0	*	.0	1	.0	*
14/16	.0	.0	.0	.0	.0	*	*	*	*	.0	4	.0	.1
11/13	.0	.0	.0	.0	.0	.1	.1	.1	.2	.0	17	*	.3
9/10	.0	.0	.0	.0	.1	.1	.2	.3	.1	*	42	.0	.8
7/8	.0	.0	.0	.1	.1	.3	.8	.5	.1	.0	99	.1	1.8
6	.0	0.	.0	.1	.1	.4	.8	.5	.1	.0	98	.1	1.8
5	.0	.0	.0	.1	.2	.8	1.3	.4	*	.0	146	.1	2.8
4	.0	0	.0	.2	.2	1.5	2.3	.7	*	.0	205	.1	3.9
3	.0	.0	.1	.4	.4	1.9	1.7	.2	.0	.0	239	.3	4.4
2	.0	.0	.3	.4	1.0	2.8	2.9	.4	*	.0	393	.4	7.3
1	.0	.0	.5	.6	1.3	3.1	2.4	.1	.0	.0	409	.5	7.5
0	.0	*	.5	.7	1.6	5.3	3.1	.2	.0	.0	581	.3	11.0
-1	.0	.1	.9	.8	1.5	4.5	1.8	*	.0	.0	496	.4	9.2
-2	.0	.2	.7	1.3	2.1	5.8	1.1	*	.0	.0	572	.3	10.9
-3	.0	.2	1.0	1.5	1.8	3.5	.8	*	.0	.0	450	.1	8.7
-4	.0	.3	.4	1.1	2.4	2.5	.3	.0	.0	.0	355	.2	6.7
-5	.0	.1	.6	1.6	1.5	1.5	.1	.0	.0	.0	282	.1	5.4
-6	.0	.1	1.0	.9	1.5	.8	.1	.0	.0	.0	222	.1	4.2
-7/-8	*	.1	1.1	2.2	2.0	.6	.0	.0	.0	.0	307	.1	5.9
-9/-10	.0	.3	.6	1.1	.6	.1	.0	.0	.0	.0	139	*	2.7
-11/-13	.0	.1	.3	.6	.1	.0	.0	.0	.0	.0	54	.0	1.1
-14/-16	.0	*	.1	.0	.0	.0	.0	.0	.0	.0	5	.0	.1
-17/-19	.0	*	*	.0	.0	.0	.0	.0	.0	.0	2	*	*
TOTAL											5118		
PCT	*	1.5	8.0	13.6	18.4	35.3	19.0	3.5	.6	*	100.0	3.4	96.6

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PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.4	*	.0	.0	.0	1.7
1-2	.1	1.8	2.4	.0	*	.0	4.3
3-4	.1	.7	2.9	1.1	*	.0	4.7
5-6	.0	.1	1.1	.5	*	.0	1.6
7	0	*	.5	.6	.0	.0	1.0
8-9	.0	*	*	.1	*	0	.2
10-11	.0	*	.2	.2	.0	.0	.4
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	4.0	7.1	2.6	*	.0	14.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.2	*	.0	.0	.0	1.7
1-2	.1	2.3	2.2	.0	.0	.0	4.6
3-4	*	1.4	3.2	.4	.0	.0	5.0
5-6	.0	.1	1.3	.3	*	.0	1.8
7	.0	*	.3	.1	.0	.0	.5
8-9	.0	.0	.3	.2	.0	.0	.5
10-11	.0	.0	.1	.2	.0	.0	.3
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	*	.0	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	5.0	7.5	1.4	*	.0	14.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.5	.1	.0	.0	.0	2.1
1-2	.2	2.9	2.4	.0	.0	.0	5.5
3-4	*	1.5	1.9	.1	.0	.0	3.4
5-6	.0	.1	.5	.1	.0	.0	.7
7	.0	.0	.2	*	.0	.0	.2
8-9	.0	*	*	*	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	6.1	5.0	.2	.0	.0	12.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.7	.1	.0	.0	.0	3.5
1-2	.2	3.9	5.7	.0	.0	.0	9.9
3-4	*	.6	2.1	.2	.0	.0	3.0
5-6	.0	.1	.1	.0	.0	.0	.2
7	*	.0	.0	.0	.0	.0	*
8-9	0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	7.4	8.1	.2	.0	.0	16.6

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.9	*	.0	.0	.0	2.4
1-2	.1	1.7	1.6	.0	.0	.0	3.6
3-4	.0	.2	.3	*	.0	.0	.5
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	3.7	2.1	*	.0	.0	6.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.2	.0	.0	.0	.0	1.5
1-2	*	.6	.2	.0	.0	.0	.9
3-4	.0	.2	.3	*	.0	.0	.5
5-6	.0	.0	.1	*	.0	.0	.1
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	2.0	.6	*	.0	.0	3.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.9	.1	.0	.0	.0	1.2
1-2	.2	1.8	3.2	.0	.0	.0	5.1
3-4	.0	.3	2.2	.5	.0	.0	2.9
5-6	.0	*	.1	.2	.0	.0	.4
7	.0	.0	.1	*	.0	.0	.2
8-9	.0	.0	.0	.1	*	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	2.9	5.7	.8	*	.0	9.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.3	.1	.0	.0	.0	1.8
1-2	.1	2.0	5.0	.0	.0	.0	7.1
3-4	*	.4	5.7	2.4	.0	.0	8.5
5-6	.0	.1	1.2	1.0	*	.0	2.3
7	.0	.0	.4	.7	.0	.0	1.1
8-9	.0	.0	.1	.2	*	.0	.3
10-11	.0	.0	.0	.1	*	.0	.1
12	.0	.0	*	.3	.0	.0	.4
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.7	12.5	4.8	.1	.0	21.5

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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.5	12.0	.4	.0	.0	.0	17.9	
1-2	1.2	16.9	22.7	.0	.0	.0	40.8	
3-4	.2	5.1	18.4	4.7	.0	.0	28.3	
5-6	.0	.5	4.4	2.2	.1	.0	7.2	
7	*	1	1.6	1.5	.0	.0	3.1	
8-9	.0	.1	.5	.5	.1	.0	1.2	
10-11	.0	*	.3	.5	*	.0	.9	
12	.0	.0	*	.5	.0	.0	.5	
13-16	.0	.0	*	.0	.0	.0	*	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.9	34.6	48.3	9.9	.2	.0	100.0	3280

PERIOD (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.5	23.1	21.1	[illegible]	2.9	.5	.3	.0	*	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	2226	3
6-7	1	2.6	5.3	[illegible]	4.0	.9	.6	.3	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	637	5
8-9	*	.8	1.6	6	1.2	.7	.8	.3	*	0	.0	0	.0	.0	.0	.0	.0	.0	.0	220	6
10-11	0	.8	.8	.3	.3	.3	.1	.1	*	0	0	0	.0	0	.0	.0	.0	.0	.0	104	5
12-13	.0	0	.2	0	.1	*	.0	.0	.1	0	0	.0	.0	.0	.0	.0	.0	.0	.0	14	7
>13	0	.0	0	0	0	0	.1	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	2	10
CALM	3.6	4.0	3.7	1.9	.6	.1	.1	.0	0	0	.0	0	.0	.0	.0	.0	.0	.0	.0	517	2
TOTAL	343	1161	1212	462	340	96	.4	25	6	1	0	0	0	0	0	0	0	0	0	3720	3
PCT	9.2	31.2	32.6	12.4	9.1	2.6	2.0	.7	.2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1951-1971
(OVER-ALL) 1869-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	PRECIPITATION TYPE DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	4	.2	.4	.0	.0	.0	.0	1.0		.0	.8	.7	.0		8.5	
NE	.2	.2	.2	.0	.0	.0	.0	.5		.0	.4	.7	*		11.8	
E	.1	.1	.1	.0	.0	.0	.0	.3		*	1.1	1.8	.0		12.9	
SE	.1	*	*	.0	.0	.0	.0	.1		.1	1.5	3.3	.0		20.5	
S	*	*	*	.0	.0	.0	.0	.1		.1	.6	1.4	.0		9.7	
SW	.1	*	.1	.0	.0	.0	.0	.2		*	.3	.3	.0		1.6	
W	.2	.1	.5	.0	.0	.0	.0	.8		*	.5	.3	.0		3.4	
NW	.5	.1	.8	.0	.0	.0	.0	1.4		.0	1.2	.7	.0		9.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0	
CALM	*	.0	.1	.0	.0	.0	.0	.1		.0	.3	.2	.0		1.8	
TOT OBS	98	42	118	0	0	0	0		250	14	376	521	2		4399	5559
TOT PCT	1.8	.8	2.1	.0	.0	.0	.0	4.5		.3	6.8	9.4	*		79.1	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	PRECIPITATION TYPE DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	2.3	.8	2.2	.0	.0	.0	.0	5.2		.1	11.3	10.1	.1		73.3	
06&09	1.0	1.1	1.8	.0	.0	.0	.0	3.7		.0	8.3	13.4	.0		76.6	
12&15	1.9	.3	2.0	.0	.0	.0	.0	4.0		.8	3.8	8.3	.1		83.1	
18&21	1.8	.8	2.5	.0	.0	.0	.0	5.0		.1	5.6	5.8	.0		83.5	
TOT	98	42	118	0	0	0	0		250	14	376	521	2		4404	5564
PCT	1.8	.8	2.1	.0	.0	.0	.0	4.5		.3	6.8	9.4	*		79.2	

MARCH

PERIOD: (PRIMARY) 1951-1971
(9YEAR-ALL) 1869-1971

AREA 0002 DA NANG
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TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.6	4.9	4.2	.9	*	.0		10.7	11.6	9.1	11.6	13.3	11.8	11.7	7.1	9.2	10.1
NE	.8	6.3	6.0	.9	.1	.0		14.0	11.6	13.7	15.2	14.6	15.1	15.1	12.2	12.0	15.4
E	.8	9.2	5.9	.4	*	.0		16.3	10.1	14.7	15.1	17.7	19.6	18.8	15.1	14.3	14.6
SE	.9	10.5	12.9	.6	.0	.0		25.0	11.3	21.1	21.0	22.9	25.8	29.0	28.4	27.8	22.7
S	.6	6.0	5.7	.3	*	.0		12.6	10.8	15.5	13.9	11.5	10.6	8.1	12.6	14.4	16.0
SW	.4	1.5	.4	*	*	.0		2.4	7.4	3.9	1.9	1.7	1.5	1.8	2.0	2.5	2.6
W	.2	2.4	1.7	.4	.0	.0		4.7	11.3	7.1	5.0	2.7	1.5	4.1	4.7	5.7	6.2
NW	.5	4.6	5.1	1.4	.1	.0		11.7	13.0	11.8	13.3	13.3	11.8	9.5	15.7	11.0	10.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.5							2.5	.0	3.1	3.0	2.3	2.2	1.9	2.2	3.0	2.2
TOT OBS	470	2850	2632	319	14	0	6285		11.0	1144	398	1109	498	1128	370	1142	496
TOT PCT	7.5	45.3	41.9	5.1	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.5	6.0	2.1	.2	.0		10.7	11.6	9.8	12.9	10.5	9.4
NE	2.9	8.6	2.3	.3	*		14.0	11.6	14.1	14.8	14.4	13.0
E	4.1	10.6	1.6	.1	.0		16.3	10.1	14.8	18.3	17.9	14.4
SE	4.7	16.9	3.4	*	.0		25.0	11.3	21.1	23.8	28.8	26.3
S	2.8	8.2	1.6	*	.0		12.6	10.8	15.1	11.2	9.2	14.9
SW	1.2	1.0	.1	*	.0		2.4	7.4	3.4	1.7	1.9	2.6
W	1.4	2.2	1.1	.1	.0		4.7	11.3	6.5	2.3	4.3	5.9
NW	2.3	6.0	3.0	.4	*		11.7	13.0	12.2	12.9	11.1	10.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.5						2.5	.0	3.1	2.2	1.9	2.7
TOT OBS	1532	3728	955	68	2	6285		11.0	1542	1607	1498	1638
TOT PCT	24.4	59.3	15.2	1.1	*		100.0		100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1951-1971
(OVER-ALL) 1869-1971

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.1	5.6	48.2	38.7	4.3	.1	.0	10.4	100.0	1542
06&09	2.2	5.6	42.6	42.9	6.3	.4	.0	11.2	100.0	1607
12&15	1.9	3.7	43.7	45.5	5.0	.1	.0	11.4	100.0	1498
18&21	2.7	4.8	46.9	40.5	4.7	.3	.0	10.8	100.0	1638
TOT	158	312	2850	2632	319	14	0	11.0		6285
PCT	2.5	5.0	45.3	41.9	5.1	.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.9	1.0	2.6	5.3		5.9
NE	3.1	1.7	4.3	3.4		5.0
E	6.4	2.7	4.4	2.6		3.9
SE	14.0	4.0	4.9	2.8		3.0
S	6.4	1.8	2.1	1.1		2.9
SW	.7	.3	.6	.9		5.0
W	.7	.2	.8	3.5		6.5
NW	1.5	.8	2.6	8.0		6.6
VAR	.0	.0	.0	.0		.0
CALM	.9	.2	.6	.9		4.8
TOT OBS	1716	622	1097	1377	4812	4.4
TOT PCT	35.7	12.9	22.8	28.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH >4/8) AND OCCURRENCE OF MH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MH <5/8 ANY HGT	TOTAL OBS
N	.1	*	.3	.6	3.5	2.0	.2	.1	.1	.1	3.9	
NE	*	.0	.1	.7	2.5	2.5	.2	*	.2	.1	6.1	
E	.3	*	.2	.3	2.1	1.6	.1	*	.2	.2	11.1	
SE	.2	*	.2	.4	2.3	1.5	.3	*	.3	.2	20.3	
S	*	*	.0	.2	1.0	.9	*	.1	.1	.1	9.0	
SW	.1	*	.1	.1	.6	.4	.0	.0	*	.0	1.1	
W	.1	*	.2	.6	2.0	.8	.2	*	*	.0	1.4	
NW	.2	.0	.8	1.1	5.0	2.1	.4	.1	.1	.1	3.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	*	.0	*	.2	.3	.4	.2	*	.1	.0	1.4	
TOT OBS	48	8	91	201	934	587	73	19	55	39	2757	4812
TOT PCT	1.0	.2	1.9	4.2	19.4	12.2	1.5	.4	1.1	.8	57.3	100.0

PERIOD: (PRIMARY) 1951-1971
(OVER-ALL) 1869-1971

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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.2	1.9	1.9	1.9	1.9	1.9	2.0	2.0
= OR >5000	1.5	2.2	2.3	2.3	2.3	2.3	2.4	2.4
= OR >3500	2.0	3.7	3.8	3.8	3.8	3.9	3.9	3.9
= OR >2000	9.1	15.6	16.0	16.0	16.0	16.1	16.1	16.1
= OR >1000	16.5	33.6	35.2	35.3	35.4	35.5	35.5	35.5
= OR >600	17.6	36.5	39.0	39.4	39.5	39.6	39.6	39.6
= OR >300	17.8	37.8	40.7	41.2	41.4	41.5	41.5	41.5
= OR >150	17.8	37.8	40.8	41.4	41.5	41.7	41.7	41.7
= OR > 0	17.9	38.1	41.4	42.0	42.2	42.4	42.6	42.7
TOTAL	859	1832	1988	2018	2030	2039	2046	2051

TOTAL NUMBER OF OBS: 4805

PCT FREQ NH <5/8: 57.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
18.8	9.0	17.0	7.0	4.7	4.9	8.3	5.0	23.0	2.2	4963

MARCH

PERIOD: (PRIMARY) 1951-1971
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	*	*	.0	*	*	.0	.0	.1	
<1/2	NO PCP	.2	.1	.2	.4	.2	*	.1	.3	.0	*	1.5	
	TOT %	.2	.1	.2	.4	.2	*	.2	.3	.0	*	1.6	
	PCP	*	*	*	.0	.0	.0	*	*	.0	.0	.1	
1/2<1	NO PCP	*	*	.1	.1	*	*	*	.1	.0	.0	.4	
	TOT %	*	*	.1	.1	*	*	*	.2	.0	.0	.5	
	PCP	.1	*	*	.0	*	.0	*	.1	.0	*	.2	
1<2	NO PCP	.1	.1	.1	.1	*	*	*	.1	.0	.1	.7	
	TOT %	.2	.1	.1	.1	*	*	.1	.2	.0	.1	1.0	
	PCP	.3	.1	.1	*	*	.1	.2	.5	.0	.1	1.3	
2<5	NO PCP	.4	.3	.5	.6	.3	.2	.2	.4	.0	.2	3.1	
	TOT %	.7	.4	.6	.6	.4	.3	.4	.9	.0	.3	4.4	
	PCP	.5	.2	.1	.1	*	.1	.4	.7	.0	.0	2.2	
5<10	NO PCP	4.3	4.0	5.3	8.2	2.9	.7	2.3	4.9	.0	.8	33.4	
	TOT %	4.8	4.2	5.5	8.3	3.0	.8	2.6	5.6	.0	.8	35.6	
	PCP	.1	.1	.1	*	.0	*	.2	.1	.0	.0	.6	
10+	NO PCP	5.0	8.5	9.6	16.0	8.2	1.2	1.6	4.9	.0	1.3	56.4	
	TOT %	5.1	8.6	9.6	16.0	8.2	1.2	1.8	5.1	.0	1.3	56.9	
	TOT OBS												5558
	TOT PCT	11.0	13.5	16.1	25.5	11.8	2.3	5.1	12.2	.0	2.4	100.0	

MARCH

PERIOD: (PRIMARY) 1951-1971
(OVER-ALL) 1969-1971

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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS. WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	*	*	*	*	.1	*	.0	*	.0	*	.2	
<1/2	4-10	.1	.1	.1	.2	.1	*	.1	.2	.0		1.0	
	11-21	*	*	*	.1	*	.0	.1	.1	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.1	.2	.3	.2	*	.2	.3	.0	*	1.5	
	0-3	.0	.0	*	*	*	*	*	*	.0	.0	.1	
1/2 <1	4-10	*	*	*	.1	.0	.0	*	.1	.0		.2	
	11-21	.0	.0	*	*	.0	.0	*	*	.0		.1	
	22+	*	*	.0	.0	.0	.0	.0	*	.0		.1	
	TOT %	*	*	.1	.1	*	*	*	.2	.0	.0	.5	
	0-3	.0	.0	.0	*	.0	*	.0	*	.0	.1	.1	
1 <2	4-10	.1	.1	.1	*	*	*	*	.1	.0		.4	
	11-21	.1	*	*	*	*	.0	*	.1	.0		.3	
	22+	*	*	.0	*	*	.0	.0	*	.0		.1	
	TOT %	.2	.1	.*	.1	*	*	.1	.2	.0	.1	1.0	
	0-3	*	*	*	*	*	*	*	*	.0	.3	.5	
2 <5	4-10	.2	.3	.2	.3	.3	.2	.2	.3	.0		1.8	
	11-21	.3	.2	.3	.2	.1	.1	.1	.4	.0		1.7	
	22+	.1	*	*	*	.0	*	*	.1	.0		.3	
	TOT %	.7	.4	.6	.6	.4	.3	.3	.9	.0	.3	4.4	
	0-3	.2	.3	.3	.3	.2	.2	.1	.3	.0	.8	2.7	
5 <10	4-10	2.1	1.7	2.7	3.2	1.4	.5	1.2	2.0	.0		14.8	
	11-21	1.7	1.7	2.1	4.2	1.1	.1	1.0	2.3	.0		14.2	
	22+	.5	.4	.2	.4	.1	*	.2	.8	.0		2.6	
	TOT %	4.6	4.1	5.3	8.0	2.9	.8	2.5	5.3	.0	.8	34.4	
	0-3	.3	.4	.4	.5	.3	.1	.1	.2	.0	1.4	3.6	
10+	4-10	2.4	3.9	5.7	6.5	3.9	.9	.9	2.0	.0		26.3	
	11-21	2.2	4.2	3.6	8.7	4.3	.2	.6	2.4	.0		26.1	
	22+	.3	.5	.2	.3	.2	*	.2	.5	.0		2.2	
	TOT %	5.2	9.0	9.9	16.0	8.6	1.2	1.8	5.1	.0	1.4	58.3	
	TOT OBS												5876
	TOT PCT	10.8	13.8	16.2	25.2	12.2	2.4	4.9	12.0	.0	2.5	100.0	

MARCH

PERIOD: (PRIMARY) 1951-1971
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >4/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00&03	1.5	.2	3.3	5.5	21.4	13.1	1.7	.4	.7	1.0	48.3	51.7	1241
06&09	1.5	.2	2.3	3.4	17.5	10.1	1.8	.3	.8	1.1	39.0	61.0	1174
12&15	.5	.2	1.5	3.6	19.1	11.2	1.5	.5	1.7	.6	40.3	59.7	1206
18&21	.5	.2	.9	4.0	18.7	13.7	1.0	.4	1.3	.5	41.1	58.9	1243
TOT	48	8	91	201	934	587	73	19	55	39	2055	2809	4864
PCT	1.0	.2	1.9	4.1	19.2	12.1	1.5	.4	1.1	.8	42.2	57.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	3.0	1.2	1.3	7.7	35.2	51.5	1261
06&09	1.6	.7	.9	4.6	36.5	55.7	1184
12&15	.7	.2	1.0	2.9	40.8	54.4	1200
18&21	1.3	.1	.7	3.6	38.1	56.2	1242
TOT	81	26	49	232	1839	2660	4887
PCT	1.7	.5	1.0	4.7	37.6	54.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00&03	4.3	8.3	18.9	35.4	45.7	1261
06&09	3.0	6.0	12.9	29.1	57.9	1184
12&15	1.3	3.1	8.0	33.8	58.3	1200
18&21	2.1	3.2	9.8	33.7	56.4	1242
TOT	130	253	609	1616	2661	4887
PCT	2.7	5.2	12.5	33.1	54.5	100.0

PERIOD: (PRIMARY) 1951-1971
(OVER-ALL) 1869-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	*	*	.1	*	*	.0	9	.2
85/89	.0	.0	.0	.1	.2	.5	.3	.1	53	1.1
80/84	.0	.0	.0	*	.6	3.3	4.1	2.0	477	10.0
75/79	*	.0	.0	*	.5	5.4	19.6	16.7	2018	42.3
70/74	.0	.0	*	.0	.3	3.2	12.9	19.6	1722	36.1
65/69	.0	.0	.0	.0	.1	.8	3.2	4.5	410	8.6
60/64	.0	.0	.0	.0	.0	.1	.5	1.0	76	1.6
55/59	.0	.0	.0	.0	.0	.0	*	.1	5	.1
TOTAL	1	0	3	8	83	639	1936	2100	4770	100.0
PCT	*	.0	.1	.2	1.7	13.4	40.6	44.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.0	.1	*	*	.0	.0	.0	.0	*
*	.1	.2	.5	.2	*	.0	*	.0	.1
.4	1.0	1.9	3.9	2.0	.1	.2	.2	.0	.2
3.5	5.6	7.8	14.0	6.2	1.0	.9	2.4	.0	.8
5.0	5.1	5.9	6.5	2.0	1.0	2.6	6.8	.0	1.2
1.8	.3	.3	.7	.4	.3	1.3	3.1	.0	.3
.1	.0	.0	.0	.0	.1	.7	.7	.0	*
.0	.0	.0	.0	.0	.0	.1	*	.0	.0
10.9	12.0	16.2	25.6	10.9	2.6	5.7	13.1	.0	2.7

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	92	84	81	75	68	62	58	74.9	1535
06&09	94	89	84	78	69	64	60	77.2	1589
12&15	92	86	81	75	68	63	60	75.2	1496
18&21	84	81	79	75	68	62	59	74.2	1635
TOT	94	86	82	76	68	63	58	75.4	6255

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT,	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.1	.1	1.2	11.3	42.5	44.9	88	1199
06&09	.0	.5	4.6	27.7	43.9	23.3	83	1130
12&15	.0	.3	1.0	9.2	44.3	45.2	88	1196
18&2.	0	.1	.4	6.5	32.2	60.9	90	1247
TOT	1	11	83	640	1936	2101	87	4772

MARCH

PERIOD: (PRIMARY) 1951-1971
(OVER-ALL) 1869-1971

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.0	*	.1	*	.0	6	.1	.1
14/16	.0	.0	.0	.0	*	*	.1	.1	.1	15	*	.2
11/13	.0	.0	.0	.0	.1	.2	.1	.2	.1	40	.1	.6
9/10	.0	.0	.0	*	.3	.6	.4	.3	.1	95	.1	1.6
7/8	.0	.0	*	.4	1.0	.8	.9	.3	.0	186	.3	3.1
6	.0	.0	*	.6	1.1	.8	.4	.1	.0	164	.5	2.5
5	.0	.0	.1	1.0	1.7	1.5	.8	.1	.0	282	.4	4.8
4	.0	.0	.3	1.2	1.7	2.2	1.1	.1	.0	354	.6	5.9
3	.0	*	.5	1.2	2.4	2.4	.6	*	.0	387	.8	6.4
2	.0	*	.1	1.8	2.6	4.1	1.3	*	.0	545	.8	9.2
1	.0	*	.4	1.5	3.2	3.1	.5	.0	.0	469	.8	7.9
0	*	.1	.2	1.7	5.2	5.8	1.0	.0	.0	766	.7	13.4
-1	*	.1	.3	1.1	4.0	2.8	.1	.0	.0	467	.4	8.2
-2	.1	.1	.5	1.6	4.1	2.1	.2	.0	.0	468	.4	8.2
-3	*	.1	.4	1.7	3.4	1.2	*	.0	.0	378	.3	6.6
-4	*	.1	.4	2.1	2.3	.4	*	.0	.0	294	.2	5.2
-5	*	.1	.3	1.8	1.3	.6	.0	.0	.0	226	.1	4.1
-6	.1	.2	.3	1.1	.6	.1	.0	.0	.0	128	.1	2.3
-7/-8	*	.2	.5	1.0	.5	.1	.0	.0	.0	122	.1	2.1
-9/-10	*	*	.1	.2	.1	*	.0	.0	.0	25	.0	.5
-11/-13	.0	*	*	.1	*	.0	.0	.0	.0	8	*	.1
-14/-16	.0	.0	*	.1	.0	.0	.0	.0	.0	8	*	.1
TOTAL										5432		
PCT	.3	1.2	4.5	20.3	35.9	28.7	7.6	1.2	.2	100.0	6.9	93.1

MARCH

PERIOD: (OVER-ALL) 1963-1971 AREA 0002 DA NANG
15.9N 108.9E

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.8	.1	.0	.0	.0	3.3
1-2	.1	2.5	2.0	.0	.0	.0	4.5
3-4	*	.4	1.5	.4	.0	.0	2.3
5-6	.0	.1	.4	.1	.0	.0	.6
7	.0	.0	.2	.1	.0	.0	.3
8-9	.0	.0	.1	.1	.0	.0	.1
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	*	.0	.0	.0	*
13-16	.0	.0	.0	.0	*	.0	*
17-19	.0	.0	.0	*	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	5.7	4.2	.7	*	.0	11.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.8	.1	.0	.0	.0	2.1
1-2	.3	2.7	2.0	.0	.0	.0	5.0
3-4	.1	1.1	1.7	.3	.0	.0	3.2
5-6	.0	*	.6	.1	*	.0	.7
7	.0	.1	.4	.1	.0	.0	.6
8-9	.0	*	.1	.1	.0	.0	.2
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	*	*	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	*	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	5.7	5.0	.6	*	.0	12.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.6	.1	.0	.0	.0	3.2
1-2	.1	4.9	4.2	.0	.0	.0	9.3
3-4	.1	1.1	1.8	.2	.0	.0	3.2
5-6	.0	.1	.3	*	*	.0	.4
7	.0	*	.1	.1	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	*	.0	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	8.7	6.6	.3	*	.0	16.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	3.0	.1	.0	.0	.0	3.5
1-2	.2	5.4	9.7	.0	.0	.0	15.3
3-4	*	1.4	4.2	.4	.0	.0	6.0
5-6	.0	*	.2	*	.0	.0	.3
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	9.8	14.4	.4	.0	.0	25.3

PERIOD: (OVER-ALL) 1963-1971

MARCH

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TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	2.0	.1	.0	.0	0	2.4
1-2	.1	2.4	3.1	.0	.0	.0	5.6
3-4	.0	.6	1.9	.1	.0	.0	2.6
5-6	.0	*	.3	.1	.0	.0	.4
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	5.0	5.4	.2	.0	.0	11.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.8	*	.0	.0	.0	1.1
1-2	*	.5	.1	.0	.0	.0	.7
3-4	.0	.2	.1	.0	.0	.0	.3
5-6	.0	*	.0	.0	*	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.5	.3	.0	*	.0	2.2

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.3	*	.0	.0	.0	1.5
1-2	.0	1.3	1.0	.0	.0	.0	2.3
3-4	.0	.4	.9	.1	.0	.0	1.4
5-6	.0	.1	.3	.2	.0	.0	.6
7	.0	.0	*	*	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	3.1	2.3	.4	.0	.0	5.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	2.6	.1	.0	.0	.0	3.2
1-2	.2	2.6	2.8	.0	.0	.0	5.5
3-4	*	.6	2.8	.7	.0	.0	4.2
5-6	.0	.1	.4	.3	*	.0	.8
7	.0	.0	.2	.2	.0	.0	.4
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	5.9	6.4	1.3	*	.0	14.2

MARCH

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.1	16.8	.7	.0	.0	.0	22.6	
1-2	1.1	22.1	24.8	.0	.0	.0	48.1	
3-4	.2	5.6	14.9	2.2	.0	.0	23.0	
5-6	.0	.4	2.5	.8	.1	.0	3.8	
7	.0	.1	1.1	.5	.0	.0	1.7	
8-9	.0	*	.2	.2	.0	.0	.4	
10-11	.0	.0	.0	.1	.0	.0	.1	
12	.0	.0	.1	.1	.0	.0	.1	
13-16	.0	.0	.0	*	*	.0	.1	
17-19	.0	.0	.0	*	.0	.0	*	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								3230
TOT PCT	6.5	45.1	44.3	3.9	.1	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.7	32.8	23.5	3.1	1.5	.4	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2538	3
6-7	*	3.6	6.6	2.7	1.6	.5	.1	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	590	4
8-9	.5	.9	1.4	.7	.5	.1	.1	*	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	165	4
10-11	.0	.5	.4	.1	.2	.2	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	57	5
12-13	.0	.0	.1	.1	*	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	5
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	2.6	4.6	3.9	.5	.5	.1	.2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	475	2
TOTAL	301	1621	1378	277	169	50	21	9	6	2	0	0	0	0	0	0	0	0	0	3834	3
PCT	7.9	42.3	35.9	7.2	4.4	1.3	.5	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1954-1971
(OVER-ALL) 1869-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.3	.1	.1	.0	.0	.0	.0	.4		.1	.4	.7		.0	6.4	
NE	.1	*	.1	.0	.0	.0	.0	.2		*	.2	.7		.0	7.7	
E	.1	*	*	.0	.0	.0	.0	.2		.1	.4	1.4		*	13.1	
SE	*	*	*	.0	.0	.0	.0	.1		.4	.8	3.0		.0	28.3	
S	*	*	*	.0	.0	.0	.0	.1		.1	.4	1.0		.0	15.4	
SW	.1	*	.0	.0	.0	.0	.0	.1		*	.3	.4		.0	2.5	
W	.1	.1	.1	0	.0	.0	.0	.4		1	.4	.6		.0	2.9	
NW	.4	*	.4	.0	.0	.0	0	.7		*	1.0	.6		.0	6.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	*	
CALM	*	.0	.0	.0	.0	.0	.0	*		*	.4	.3		.0	1.5	
TOT OBS	82	20	42	0	0	0	0		119	47	230	451		1	4460	5308
TOT PCT	1.2	.4	.8	.0	.0	.0	.0	2.2		.9	4.3	8.5		*	84.0	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	1.3	.4	.7	.0	.0	.0	.0	2.3		.0	9.2	9.3		.0	79.1	
06&09	1.1	.4	.7	.0	.0	.0	.0	2.0		.0	2.9	13.2		.1	81.8	
12&15	.8	.5	1.1	.0	.0	.0	.0	2.3		2.0	2.1	7.4		.0	86.3	
18&21	1.6	.2	.7	.0	.0	.0	.0	2.4		1.7	3.0	3.8		.0	89.1	
TOT	62	20	42	0	0	0	0		119	48	230	451		1	4464	5313
PCT	1.2	.4	.8	.0	.0	.0	.0	2.2		.9	4.3	8.5		*	84.0	

APRIL

PERIOD: (PRIMARY) 1954-1971
(OVER-ALL) 1869-1971

TABLE 3

AREA 0002 DA NANG
15.9N 108.9E

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.6	4.1	2.5	.6	.1	.0		7.9	11.0	5.6	8.5	10.9	9.7	8.5	6.1	6.8	6.2
NE	1.0	5.3	2.8	.1	*	.0		9.3	9.1	8.2	7.7	12.2	9.2	10.0	6.4	9.1	8.0
E	.8	8.7	5.1	.2	.0	.0		14.9	9.6	10.8	14.2	16.6	17.2	17.7	16.2	13.2	14.1
SE	1.1	14.5	15.3	.9	.0	.0		31.8	11.2	27.8	28.1	28.3	34.2	35.1	38.2	33.5	33.4
S	.7	8.3	9.2	.5	.0	.0		18.8	11.3	22.2	17.9	17.3	15.3	16.1	18.1	20.3	22.1
SW	.4	2.1	.6	*	0	.0		3.2	7.7	5.6	1.5	2.1	2.5	2.9	2.8	4.1	1.8
W	.4	2.3	1.1	.2	.0	.0		3.9	9.2	7.3	5.9	2.7	1.6	2.3	2.2	4.1	4.7
NW	.4	1.7	3.2	.6	*	.0		7.9	11.4	9.1	13.2	8.6	8.8	6.3	6.9	6.3	5.5
VAR	.0	*	.0	.0	.0	.0		*	5.0	.0	.0	.0	.0	.0	.0	.1	.0
CALM	2.4							2.4	.0	3.4	2.9	1.3	1.6	1.3	3.2	2.6	4.2
TOT OBS	479	2452	2402	183	7	0	6023		10.3	1054	407	1120	510	1043	380	1014	495
TOT PCT	8.0	40.7	39.9	3.0	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	2.3	4.1	1.2	.2	.0		7.9	11.0	6.4	10.5	7.7	6.6
NE	3.4	5.1	.7	.1	.0		9.3	9.1	8.1	11.2	9.1	8.7
E	4.2	9.5	1.2	.0	.0		14.9	9.6	11.7	16.8	17.3	13.5
SE	6.0	21.4	4.4	*	.0		31.8	11.2	27.9	30.2	35.9	33.4
S	3.7	11.7	3.4	*	.0		18.8	11.3	21.0	16.7	16.6	20.9
SW	1.6	1.4	.1	*	.0		3.2	7.7	4.4	2.2	2.8	3.3
W	1.6	1.9	.4	*	.0		3.9	9.2	6.9	2.3	2.2	4.3
NW	1.9	4.5	1.4	.1	.0		7.9	11.4	10.2	8.7	6.4	6.0
VAR	*	.0	.0	.0	.0		*	5.0	.0	.0	.0	.1
CALM	2.4						2.4	.0	3.3	1.4	1.8	3.1
TOT OBS	1625	3595	771	32	0	6023		10.3	1461	1630	1423	1509
TOT PCT	27.0	59.7	12.8	.5	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1954-1971
(OVER-ALL) 1869-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

	WIND SPEED (KNOTS)									
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.3	7.0	51.7	34.6	3.2	.1	.0	9.8	100.0	1461
06&09	1.4	4.8	47.4	43.3	3.0	.1	.0	10.6	100.0	1630
12&15	1.8	4.8	47.2	43.1	3.1	.1	.0	10.6	100.0	1423
18&21	3.1	5.7	49.9	38.3	2.9	.1	.0	10.1	100.0	1508
TOT	144	335	2951	2402	183	7	0	10.3		6022
PCT	2.4	5.6	49.0	39.9	3.0	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.5	1.0	2.5	3.2		5.6
NE	2.6	1.9	2.5	1.8		4.4
E	6.1	3.0	4.2	2.0		3.7
SE	14.9	6.4	8.7	2.8		3.4
S	7.0	3.7	4.4	1.3		3.4
SW	.9	.4	1.1	.9		5.0
W	.8	.4	.9	2.3		5.9
NW	1.0	.8	2.5	4.2		6.2
VAR	.0	.0	.0	.0		.0
CALM	.6	.1	.8	.7		4.9
TOT OBS	1675	842	1298	905	4720	4.2
TOT PCT	35.5	17.8	27.5	19.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH) 4/8) AND OCCURRENCE OF MH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MH <5/8 ANY HGT	TOTAL OBS
.1	.1	.3	.4	1.9	.9	.2	.1	.2	.1	3.9	
.2	*	*	.2	1.3	.8	.1	.1	.1	.1	5.8	
.2	*	.1	.2	1.5	1.1	.2	.1	.4	.2	11.3	
.1	*	.1	.3	1.9	1.5	.3	.2	.5	.6	27.4	
*	.0	*	.1	1.0	.7	.3	.2	.4	.3	13.5	
.1	.0	.1	.1	.4	.3	*	.1	.1	.1	2.0	
.1	.0	.2	.3	1.3	.5	.1	.1	.1	.1	1.7	
.1	*	.5	.6	2.3	1.5	.2	.1	.1	*	2.9	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	*	.1	.6	.3	.0	*	.1	*	1.2	
40	6	60	106	576	357	71	51	94	68	3291	4720
.8	.1	1.3	2.2	12.2	7.6	1.5	1.1	2.0	1.4	69.7	100.0

APRIL

PERIOD: (PRIMARY) 1954-1971
(OVER-ALL) 1869-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.7	3.4	3.4	3.4	3.4	3.4	3.4	3.4
= OR >5000	2.3	4.4	4.4	4.5	4.5	4.5	4.5	4.5
= OR >3500	3.0	5.8	5.9	6.0	6.0	6.0	6.0	6.0
= OR >2000	7.1	13.0	13.4	13.5	13.5	13.6	13.6	13.6
= OR >1000	11.9	24.3	25.5	25.7	25.7	25.7	25.8	25.8
= OR >600	12.4	25.9	27.5	27.9	27.9	28.0	28.0	28.0
= OR >300	12.6	26.7	28.7	29.1	29.2	29.3	29.3	29.3
= OR >150	12.6	26.7	28.7	29.2	29.3	29.4	29.4	29.4
= OR > 0	12.7	27.1	29.2	29.8	30.1	30.2	30.2	30.3
TOTAL	599	1281	1381	1409	1420	1424	1426	1429

TOTAL NUMBER OF OBS: 4723 PCT FREQ MM <5/8: 69.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
18.0	13.9	22.2	9.4	5.5	4.4	0.5	3.2	12.8	2.1	4870

APRIL

PERIOD: (PRIMARY) 1954-1971
(OVER-ALL) 1869-1971

AREA 0002 DA NANG
15.9N 108.3E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	NO PCP	.1	*	.1	.1	.1	.1	.2	.3	.0	.2	1.1	
	TOT %	.1	*	.1	.1	.1	.1	.2	.3	.0	.2	1.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	NO PCP	.1	*	*	*	.0	*	.1	.2	.0	.1	.5	
	TOT %	.1	*	*	*	.0	*	.1	.2	.0	.1	.5	
1<2	PCP	*	*	*	*	.0	.0	.1	*	.0	.0	.2	
	NO PCP	.1	.1	.1	.1	*	*	.1	.1	.0	*	.6	
	TOT %	.1	.1	.1	.1	*	*	.2	.2	.0	*	.8	
2<5	PCP	.1	.0	.0	*	*	*	.1	.3	.0	.0	.6	
	NO PCP	.2	.3	.3	.4	.2	.1	.1	.4	.0	.2	2.3	
	TOT %	.4	.3	.3	.4	.2	.2	.2	.7	.0	.2	2.8	
5<10	PCP	.3	.1	.1	*	*	.1	.2	.4	.0	*	1.3	
	NO PCP	3.3	2.5	5.2	11.2	3.6	1.2	1.6	3.6	.0	1.0	33.3	
	TOT %	3.5	2.7	5.4	11.2	3.7	1.3	1.8	4.0	.0	1.0	34.6	
10+	PCP	*	.1	*	*	*	*	.0	*	.0	.0	.2	
	NO PCP	3.8	5.8	9.3	20.5	12.9	1.7	1.9	3.2	*	.8	60.0	
	TOT %	3.9	5.8	9.3	20.6	13.0	1.7	1.9	3.2	*	.8	60.2	
	TOT OBS												5308
	TOT PCT	8.0	8.9	15.2	32.5	17.0	3.2	4.3	8.5	*	2.3	100.0	

APRIL

PERIOD: (PRIMARY) 1954-1971
(OVER-ALL) 1869-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD &TS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	*	*	.0	.0	*	*	.1	*	.0	.1	.4	
<1/2	4-10	.1	.0	*	.1	*	*	.1	.2	.0		.6	
	11-21	*	.0	*	*	*	.0	.0	.1	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	*	.1	.2	.1	.1	.2	.3	.0	.1	1.1	
	0-3	*	*	*	*	.0	*	.0	.0	.0	.1	.1	
1/2<1	4-10	*	*	*	*	.0	*	*	.1	.0		.2	
	11-21	*	.0	.0	.0	.0	*	*	.1	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	TOT %	.1	*	*	*	.0	*	.1	.2	.0	.1	.6	
	0-3	.0	.0	.0	*	.0	.0	*	.0	.0	*	.1	
1<2	4-10	*	.1	.1	.1	*	*	.1	*	.0		.4	
	11-21	.1	.0	*	*	*	.0	.1	.1	.0		.3	
	22+	*	*	.0	.0	.0	.0	*	*	.0		.1	
	TOT %	.1	.1	.1	.1	*	*	.2	.2	.0	*	.8	
	0-3	*	*	*	.1	.0	.1	.0	*	.0	.1	.4	
2<5	4-10	.1	.2	.2	.3	.2	.1	.1	.3	.0		1.4	
	11-21	.1	.1	.1	.1	.1	*	.1	.3	.0		.8	
	22+	.1	*	.0	.0	.0	.0	*	.1	.0		.3	
	TOT %	.4	.3	.3	.4	.2	.1	.2	.7	.0	.1	2.9	
	0-3	.2	.3	.2	.4	.1	.1	.2	.1	.0	1.0	2.7	
5<10	4-10	1.6	1.6	2.5	4.0	1.7	.9	.9	1.5	.0		14.7	
	11-21	1.1	.7	2.2	5.7	1.6	.3	.5	1.7	.0		13.9	
	22+	.5	*	.1	.5	.1	*	.1	.4	.0		1.7	
	TOT %	3.4	2.6	5.1	10.7	3.5	1.2	1.7	3.8	.0	1.0	33.1	
	0-3	.3	.7	.5	.5	.5	.2	.1	.3	.0	.9	4.1	
10+	4-10	2.3	3.4	5.8	9.7	5.8	1.1	1.2	1.7	*		31.0	
	11-21	1.2	2.0	3.1	10.0	7.1	.3	.4	1.1	.0		25.3	
	22+	.1	.1	.1	.4	.4	*	*	.1	.0		1.2	
	TOT %	3.9	6.2	9.5	20.6	13.9	1.6	1.8	3.2	*	.9	61.6	
	TOT OBS												5614
	TOT PCT	8.0	9.2	15.1	32.1	17.7	3.1	4.2	8.3	*	2.3	100.0	

APRIL

PERIOD: (PRIMARY) 1954-1971
(OVER-ALL) 1869-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	1.3	.1	1.5	3.8	15.0	7.4	1.4	1.1	1.1	.9	33.7	66.3	1182
06&09	1.0	.2	1.2	2.3	10.8	6.8	1.9	1.4	1.8	1.4	28.3	71.2	1252
12&15	.6	.1	1.0	1.6	11.2	8.5	1.6	1.2	3.5	2.0	31.2	68.8	1217
18&21	.4	.2	1.3	1.1	11.3	7.0	.9	.5	1.4	1.4	25.6	74.4	1137
TOT	40	6	60	106	576	357	71	51	94	68	1429	3359	4788
PCT	.8	.1	1.3	2.2	12.0	7.5	1.5	1.1	2.0	1.4	29.8	70.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	3.3	1.8	1.3	4.9	32.2	56.5	1214
06&09	.4	.2	.7	3.5	33.5	61.6	1246
12&15	.3	.1	.4	2.3	42.4	54.5	1200
18&21	1.0	.4	.4	1.9	37.7	58.6	1135
TOT	59	30	35	152	1746	2773	4795
PCT	1.2	.6	.7	3.2	36.4	57.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.NM >4/8) BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	5.1	7.5	15.1	24.0	61.0	1214
06&09	1.9	3.4	8.5	22.5	69.0	1246
12&15	.9	2.2	5.2	27.6	67.3	1200
18&21	1.6	3.5	5.9	21.5	72.6	1135
TOT	115	199	418	1146	3231	4795
PCT	2.4	4.2	8.7	23.9	67.4	100.0

PERIOD: (PRIMARY) 1954-1971
(OVER-ALL) 1869-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	*	.0	.0	.0	1	*
90/94	.0	.0	.0	*	.2	.1	.0	*	18	.4
85/89	.0	.0	.0	.1	.7	2.3	1.0	.1	198	4.2
80/84	.0	.0	.0	.0	.7	7.2	18.3	6.4	1560	33.2
75/79	.0	.0	.0	.0	.3	2.9	18.8	21.9	2059	43.9
70/74	.0	.0	.0	.1	.4	1.0	3.9	9.7	710	15.1
65/69	.0	.0	.0	.0	.3	.7	1.2	.8	138	2.9
60/64	.0	.0	.0	.0	.0	.1	.1	*	8	.2
TOTAL	0	0	0	10	121	674	2056	1831	4692	100.0
PCT	.0	.0	.0	.2	2.6	14.4	43.8	39.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	*	.0	.0	.0	.0	.0	.0
*	*	.1	.1	*	*	*	*	.0	.0
.3	.4	.8	1.4	1.0	.1	.1	.1	.0	.1
1.3	2.9	5.7	13.0	7.8	.7	.7	.7	.0	.5
3.7	4.2	6.8	15.3	6.6	2.0	1.6	2.6	*	1.1
2.3	1.2	1.8	2.0	.5	.5	1.7	4.4	.0	.8
.7	*	*	*	*	.1	.7	1.4	.0	*
.1	.0	.0	.0	.0	.0	.0	.1	.0	*
8.3	8.8	15.2	31.8	16.1	3.4	4.7	9.2	*	2.5

TABLE 15

MEANS.EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	95	86	83	79	71	67	63	78.1	1454
06&09	92	90	87	81	73	68	63	80.5	1615
12&15	93	85	83	79	71	67	62	78.2	1420
18&21	85	83	82	78	71	66	63	77.4	1503
TOT	95	88	84	79	71	67	62	78.6	5992

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.3	1.9	12.5	45.6	39.7	87	1154
06&09	.0	.3	5.9	29.6	48.2	16.1	82	1194
12&15	.0	.2	1.3	9.7	46.6	42.2	87	1197
18&21	.0	.0	1.1	5.3	34.8	58.8	90	1150
TOT	0	10	121	674	2059	1831	86	4695

APRIL

PERIOD: (PRIMARY) 1954-1971
(OVER-ALL) 1869-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.0	*	.0	*	.0	3	.0	.1
14/16	.0	.0	.0	.0	*	.1	.1	.1	*	14	*	.2
11/13	.0	.0	.0	.0	.1	.1	.3	.2	.0	34	.0	.6
9/10	.0	.0	.0	.1	.4	.3	.6	.1	.0	76	.1	1.4
7/8	.0	.0	.0	.4	.6	1.1	.7	.1	.0	160	.1	2.9
6	0	.0	.0	.6	.7	.8	.3	.1	.0	128	.1	2.3
5	.0	.0	*	1.0	1.3	1.5	.6	*	.0	230	.2	4.1
4	.C	.0	.2	1.4	2.0	2.2	.3	.0	.0	318	.3	5.8
3	.0	.0	.2	1.9	3.1	1.7	.3	*	.0	376	.6	6.6
2	.0	.0	.6	1.7	3.7	3.6	.2	*	.0	526	.5	9.6
1	.0	*	.9	3.3	6.7	2.9	.1	*	.0	730	.6	13.4
0	.0	.2	.6	2.5	6.9	5.4	.2	.0	.0	827	.5	15.3
-1	.0	.1	.5	2.0	5.2	2.1	.1	.0	.0	519	.4	9.5
-2	.0	.1	.7	1.5	4.1	1.8	*	.0	.0	432	.5	8.0
-3	.0	.1	.6	1.1	2.4	.7	*	.0	.0	268	.3	4.8
-4	.0	.1	.8	1.1	1.6	.5	*	.0	.0	209	.2	3.7
-5	.0	.1	.5	.7	1.1	.2	.0	.0	.0	131	*	2.5
-6	.0	.3	.2	.3	.5	.1	.0	.0	.0	69	.1	1.3
-7/-8	*	.2	.3	.4	.7	*	.C	.0	.0	88	.1	1.6
-9/-10	.1	.2	.1	.6	.2	.0	.0	.0	.0	63	.1	1.1
-11/-13	.1	.1	.5	*	.0	.0	.0	.0	.0	26	.1	.4
-14/-16	*	.1	*	.0	.0	.0	.0	.0	.0	7	.0	.1
-17/-19	.0	.1	.0	.0	.0	.0	.0	.0	.0	3	.0	.1
TOTAL										5237		
PCT	.2	1.7	6.6	20.3	41.2	25 3	3.8	.6	*	100.0	4.4	95.6

PERIOD: (OVER-ALL) 1963-1971

APRIL

TABLE 18

AREA 0002 DA NANG
15.9N 108.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.5	.0	.0	.0	.0	2.1
1-2	.2	2.1	1.4	.0	.0	.0	3.7
3-4	.1	.5	.8	.2	.0	.0	1.5
5-6	.0	.1	.1	.1	.0	.0	.3
7	.0	.0	.2	.1	.0	.0	.2
8-9	.0	.0	.1	.1	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	4.1	2.5	.5	.0	.0	8.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	2.0	.1	.0	.0	.0	2.6
1-2	.2	2.4	1.2	.0	.0	.0	3.9
3-4	.1	.6	1.1	.1	.0	.0	1.8
5-6	.0	*	.2	.0	.0	.0	.2
7	.0	.0	*	*	0	.0	*
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	5.0	2.6	.1	.0	.0	8.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	2.8	.3	.0	.0	.0	3.8
1-2	.2	4.9	3.5	.0	.0	.0	8.7
3-4	.1	.9	1.8	.2	.0	.0	2.9
5-6	*	.1	.1	*	.0	.0	.2
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	8.7	5.8	.2	.0	.0	15.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	3.7	.2	.0	.0	.0	4.6
1-2	.2	7.9	11.3	.0	.0	.0	19.4
3-4	*	1.1	5.8	.4	.0	.0	7.3
5-6	.0	.1	.4	.1	.0	.0	.6
7	.0	.0	.1	.1	.0	.0	.2
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	12.8	17.8	.6	.0	.0	32.1

PERIOD: (OVER-ALL) 1963-1971

APRIL

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TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.7	.0	.0	.0	.0	2.1
1-2	.1	4.8	4.3	.0	.0	.0	9.2
3-4	*	.5	3.3	.4	.0	.0	4.2
5-6	.0	*	.2	.1	.0	.0	.3
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	*	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	7.0	8.0	*	*	.0	16.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.1	.0	.0	.0	.0	1.5
1-2	.2	1.1	.4	.0	.0	.0	1.7
3-4	*	.1	.1	*	.0	.0	.3
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.3	.6	*	.0	.0	3.4

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.1	.0	.0	.0	.0	1.4
1-2	.3	1.3	.8	.0	.0	.0	2.3
3-4	.0	.2	.3	.2	.0	.0	.8
5-6	.0	*	.1	*	.0	.0	.1
7	.0	.0	.1	*	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	2.6	1.3	.2	.0	.0	4.7

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.8	.1	.0	.0	.0	2.3
1-2	.2	2.1	2.4	.0	.0	.0	4.7
3-4	*	.5	1.2	.4	.0	.0	2.1
5-6	.0	.1	.1	.1	.0	.0	.3
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.1	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.3	.0	.0	.0
TOT PCT	.5	4.6	4.0	.6	.0	.0	9.7

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.2	15.7	.7	.0	.0	.0	22.6	
1-2	1.7	26.3	25.1	.0	.0	.0	53.2	
3-4	.3	4.4	14.2	1.8	.0	.0	20.7	
5-6	*	.4	1.2	.5	.0	0	2.1	
7	.0	.0	.7	.2	.0	.0	.9	
8-9	.0	.0	.2	.2	.0	.0	.5	
10-11	.0	.0	.0	.0	.0	.0	0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	8.3	46.8	42.2	2.6	.0	.0	100.0	3326

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	7.8	38.7	21.9	2.1	.7	.3	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2764	2
6-7	.1	3.6	5.4	1.6	.8	.3	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	457	3
8-9	.0	.9	1.2	.5	.2	.1	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	112	4
10-11	.0	.3	.3	.1	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	4
12-13	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	5
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	5.8	4.4	1.9	.3	.2	*	.0	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	495	2
TOTAL	529	1849	1192	177	75	27	3	7	5	2	0	0	0	0	0	0	0	0	0	3066	2
PCT	13.7	47.8	30.8	4.6	1.9	.7	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1958-1971
(OVER-ALL) 1860-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.1	.1	.0	.0	.0	.0	.0	.1		.1	*	.2		.0	3.5	
NE	.1	.1	.0	.0	.0	.0	.0	.2		.1	.1	.4		.0	5.8	
E	.2	.1	*	.0	.0	.0	.0	.3		.3	*	.6		.0	11.1	
SE	.2	.1	*	.0	.0	.0	.0	.4		1.1	*	1.5		.0	27.0	
S	.3	.2	.0	.0	.0	.0	.0	.3		.9	*	.7		.0	21.3	
SW	.2	.2	*	.0	.0	.0	.0	.4		.5	.1	.1		.0	9.2	
W	.1	.1	*	.0	.0	.0	.0	.2		.1	.1	.3		*	4.9	
NW	.2	.1	*	.0	.0	.0	.0	.3		.1	*	.3		*	4.5	
VAR	.0	.0	0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	*	.1	*	.0	.0	.0	.0	.2		.1	*	.2		.0	2.5	
TOT OBS	57	46	8	0	0	0	0		110	156	18	197		1	4161	4638
TOT PCT	1.2	1.0	.2	.0	.0	.0	.0	2.4		3.4	.4	4.2		*	89.7	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	1.1	1.0	.1	.0	.0	.0	.0	2.2		.1	.0	7.5		.0	89.5	
06&09	1.0	.5	.1	.0	.0	.0	.0	1.6		.4	.1	4.8		.0	93.3	
12&15	1.6	1.4	.3	.0	.0	.0	.0	3.3		6.8	.3	3.0		.1	86.8	
18&21	1.3	1.1	.2	.0	.0	.0	.0	2.5		5.0	.3	1.9		.0	89.3	
TOT	58	47	8	0	0	0	0		112	156	18	197		1	4167	4646
PCT	1.2	1.0	.2	.0	.0	.0	.0	2.4		3.4	.4	4.2		*	89.7	

MAY

PERIOD: (PRIMARY) 1958-1971
(OVER-ALL) 1860-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.5	2.1	1.4	.1	.0	.0		4.1	8.9	2.4	3.9	7.9	7.2	4.4	1.4	2.3	1.8
NE	.7	4.0	1.6	.1	.0	.0		6.3	8.2	4.4	7.8	13.1	9.0	4.9	2.5	3.9	2.8
E	1.0	7.1	3.6	.1	.0	.0		11.8	8.8	7.2	9.7	16.0	21.2	15.5	10.8	7.8	6.4
SE	1.3	15.3	12.0	.6	.0	0		29.3	10.5	21.5	29.1	23.1	30.6	39.5	37.1	31.4	25.0
S	1.4	13.1	10.0	.5	.0	.0		25.0	10.3	29.4	20.2	19.0	18.5	20.5	30.9	30.1	33.2
SW	.9	6.0	3.0	.5	.0	.0		10.4	9.7	14.8	9.7	9.4	5.9	6.3	8.8	11.9	15.2
W	.8	2.7	1.3	.2	.1	.0		5.1	9.4	9.4	6.6	4.3	1.6	2.3	2.5	6.0	6.6
NW	.8	3.2	1.4	.5	*	.0		4.9	10.2	6.8	8.3	5.1	4.3	4.7	2.7	3.3	4.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.1							3.1	.0	4.2	4.7	2.2	1.6	2.0	3.3	3.2	4.3
TOT OBS	549	2755	1801	134	3	0	5242		9.5	879	362	925	445	903	365	900	463
TOT PCT	10.5	52.6	34.4	2.6	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	1.8	1.9	.4	*	.0		4.1	8.9	2.5	7.7	3.5	2.1
NE	2.6	3.5	.2	.0	.0		6.3	8.2	5.4	11.8	4.2	3.5
E	4.6	6.3	1.0	.0	.0		11.8	8.8	7.9	17.7	14.1	7.4
SE	7.0	18.6	3.7	*	.0		29.3	10.5	23.8	25.5	38.0	29.2
S	6.5	15.4	3.0	.1	.0		25.0	10.3	26.7	18.8	33.5	41.1
SW	3.6	5.4	1.3	.1	.0		10.4	9.7	13.3	8.3	7.0	13.0
W	2.2	2.0	.7	.2	.0		5.1	9.4	8.5	3.4	2.3	6.2
NW	1.9	2.2	.8	.1	.0		4.9	10.2	7.2	4.9	4.1	3.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.1						3.1	.0	4.4	2.0	2.4	3.6
TOT OBS	1745	2896	574	27	0	5242		9.5	1241	1370	1268	1363
TOT PCT	33.3	55.2	11.0	.5	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1958-1971
(OVER-ALL) 1960-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.4	12.0	55.8	25.4	2.4	.1	.0	8.4	100.0	1241
06&09	2.0	5.7	51.5	36.9	3.9	.0	.0	10.2	100.0	1370
12&15	2.4	5.6	48.0	42.0	2.1	.0	.0	10.2	100.0	1268
18&21	3.6	6.7	55.0	32.9	1.8	.1	.0	9.3	100.0	1363
TOT	160	389	2755	1801	134	3	0	9.5		5242
PCT	3.1	7.4	52.6	34.4	2.6	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD CAVER
N	.8	.8	1.4	.9		5.0
NE	1.4	1.0	2.5	.7		4.5
E	3.3	3.4	4.4	1.0		4.2
SE	10.1	7.8	10.9	1.9		4.0
S	7.7	5.2	7.1	1.9		3.9
SW	3.5	2.2	3.2	1.6		4.2
W	1.4	.9	2.4	1.2		5.0
NW	.6	.6	2.2	1.8		6.0
VAR	.0	0	.0	.0		0
CALM	.7	.5	1.2	.6		4.9
TOT OBS	1230	960	1465	482	4137	4.3
TOT PCT	29.7	23.2	35.4	11.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH) 4/8) AND OCCURRENCE OF MH (5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MH (5/8 ANY HGT	TOTAL OBS
N	.0	*	*	.1	.6	.4	.1	*	.1	.1	2.5	
NE	*	.0	.1	.1	.6	.7	*	*	.1	.2	4.7	
E	.0	.0	*	.1	.6	.8	.2	*	.2	.1	10.0	
SE	*	.0	*	.2	1.1	1.7	.4	.2	.5	.4	26.1	
S	*	.0	.0	.2	.8	1.6	.2	.1	.4	.2	15.4	
SW	.0	*	.0	.1	.4	1.0	.2	.1	.3	.3	8.1	
W	.0	.0	*	.1	.6	.9	.2	.1	.3	.1	3.6	
NW	.0	.0	.1	.2	1.0	.8	.2	.2	.2	.2	2.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	0	.0	*	*	.2	.3	.1	.1	*	.1	2.2	
TOT OBS	3	2	16	42	246	343	69	34	83	70	3229	4137
TOT PCT	.1	*	.4	1.0	5.9	8.3	1.7	.8	2.0	1.7	78.1	100.0

PERIOD: (PRIMARY) 1956-1971
(OVER-ALL) 1860-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (MH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	2.8	3.6	3.7	3.7	3.7	3.7	3.7	3.7
= OR >5000	3.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5
= OR >3500	4.4	6.1	6.2	6.2	6.2	6.2	6.2	6.2
= OR >2000	10.6	14.3	14.5	14.5	14.5	14.5	14.5	14.5
= OR >1000	14.6	20.1	20.4	20.4	20.4	20.4	20.4	20.4
= OR >600	15.1	21.0	21.4	21.4	21.4	21.5	21.5	21.5
= OR >300	15.2	21.3	21.7	21.8	21.8	21 8	21.8	21.8
= OR >150	15.2	21.3	21.8	21.8	21.9	21.9	21.9	21.9
= OR > 0	15.3	21.3	21.8	21.9	21.9	22.0	22.0	22.0
TOTAL	632	884	905	907	909	910	910	910

TOTAL NUMBER OF OBS: 4142 PCT FREQ MH (5/8: 78.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
10.8	19.8	30.2	10.8	6.4	6.0	7.8	2.7	5.5	=	4212

MAY

PERIOD: (PRIMARY) 1958-1971
(OVER-ALL) 1860-1972

AREA 0002 DA NANG
15.9N 108.9E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	*	.0	.0	*	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
	TOT %	.0	.0	*	.0	.0	*	.0	.0	.0	.0	.1	
1/2<1	PCP	.0	.0	*	*	*	.0	.0	.0	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	
	TOT %	.0	.0	*	*	*	.0	.0	*	.0	.0	*	
1<2	PCP	.0	.0	.0	.0	*	*	.0	.0	.0	*	.1	
	NO PCP	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	
	TOT %	*	.0	.0	.0	*	*	.0	.0	.0	*	.1	
2<5	PCP	*	*	*	.0	.0	.1	.1	*	.0	*	.3	
	NO PCP	.1	.3	.1	*	*	.1	.1	.1	.0	*	.9	
	TOT %	.1	.3	.1	*	*	.2	.2	.2	.0	*	1.1	
5<10	PCP	.1	.1	.2	.2	.2	.2	.1	.2	.0	.1	1.3	
	NO PCP	.9	1.5	2.4	6.7	4.2	1.7	1.1	1.5	.0	1.1	21.0	
	TOT %	1.0	1.6	2.6	6.9	4.3	1.9	1.2	1.6	.0	1.1	22.3	
10+	PCP	.1	.1	*	.2	.1	.1	.0	.1	.0	*	.6	
	NO PCP	2.8	4.5	9.6	22.8	18.7	8.1	4.2	3.3	.0	1.7	75.7	
	TOT %	2.9	4.6	9.6	23.0	18.9	8.1	4.2	3.4	.0	1.7	76.3	
	TOT OBS												4638
	TOT PCT	4.0	6.5	12.3	29.9	23.3	10.3	5.5	5.3	.0	2.9	100.0	

PERIOD: (PRIMARY) 1958-19..
(OVER-ALL) 1860-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
<1/2	4-10	.0	.0	*	*	*	*	.0	.0	.0		.1	
	11-21	.0	.0	*	.0	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	*	*	*	*	.0	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	*	*	*	.0	.0	.0	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	*	*	*	.0	.0	.0	.0	.0	*	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
1<2	4-10	.1	*	.0	.0	*	*	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	*	.0	.0	*	*	.0	.0	.0	*	.1	
	0-3	.0	.1	*	*	.0	*	*	.1	.0	*	.3	
2<5	4-10	.1	.2	.1	*	.0	.1	.1	.1	.0		.7	
	11-21	.1	*	*	*	.0	*	*	*	.0		.2	
	22+	.0	.0	.0	.0	*	.0	*	*	.0		.1	
	TOT %	.2	.3	.1	.1	*	.2	.2	.2	.0	*	1.3	
	0-3	.2	.2	.2	.3	.3	.2	.2	.3	.0	1.1	3.0	
5<10	4-10	.4	1.0	1.1	3.0	2.3	1.0	.7	.7	.0		10.2	
	11-21	.3	.4	1.1	3.1	1.4	.5	.2	.4	.0		7.4	
	22+	*	*	*	.2	.1	*	*	.3	.0		.7	
	TOT %	.9	1.5	2.4	6.6	4.2	1.8	1.2	1.6	.0	1.1	21.2	
	0-3	.3	.4	.8	.9	1.0	.6	.6	.5	.0	1.8	7.0	
10+	4-10	1.5	2.8	6.0	12.3	10.2	4.7	2.1	1.6	.0		41.2	
	11-21	1.0	1.2	2.7	9.4	8.1	2.5	1.1	1.0	.0		27.1	
	22+	.1	*	.1	.4	.3	.5	.3	.2	.0		1.9	
	TOT %	2.9	4.5	9.5	23.1	19.7	8.2	4.0	3.4	.0	1.8	77.2	
	TOT OBS												4911
	TOT PCT	4.1	6.3	12.1	29.8	24.0	10.3	5.3	5.2	.0	3.0	100.0	

MAY

PERIOD: (PRIMARY) 1958-1971
(OVER-ALL) 1860-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.1	.1	.5	1.2	5.7	7.7	1.6	1.5	2.4	2.6	23.5	76.5	1036
06&09	.2	.1	.6	1.2	5.7	5.3	1.2	.5	.9	1.2	16.7	83.3	1035
12&15	.0	.0	.4	.7	5.6	9.6	1.9	.6	2.6	1.6	22.9	77.1	1077
18&21	.0	.0	.1	1.0	6.7	10.0	1.9	.6	2.0	1.3	23.5	76.5	1051
TOT	3	2	16	42	248	343	69	34	83	70	910	3289	4199
PCT	.1	*	.4	1.0	5.9	8.2	1.6	.8	2.0	1.7	21.7	78.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.1	.1	.1	1.2	24.2	74.3	1020
06&09	.0	.0	.0	.7	18.9	80.5	1018
12&15	.2	.0	.0	.8	26.5	72.4	1066
18&21	.0	.1	.1	.9	25.3	73.7	1040
TOT	3	2	2	37	985	3115	4144
PCT	.1	*	*	9	23.8	75.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.NM >4/8).BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.1	.9	2.9	21.6	75.5	1020
06&09	.2	.9	2.5	14.7	82.8	1018
12&15	.1	.6	1.9	21.7	76.5	1066
18&21	.1	.2	2.0	22.3	75.7	1040
TOT	5	26	96	833	3215	4144
PCT	.1	.6	2.3	20.1	77.6	100.0

PERIOD: (PRIMARY) 1958-1971
(OVER-ALL) 1860-1971

AREA 0002 DA NANG
15 9N 108 9E

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	0	0	*	*	1	*	0	0	9	2
90/94	0	0	1	6	12	6	2	2	120	2 9
85/89	0	0	0	3	26	90	69	21	854	20 9
80/84	0	0	0	*	10	97	300	158	2309	56 5
75/79	0	0	0	0	1	11	69	111	781	19 1
70/74	0	0	0	0	0	*	*	2	12	3
TOTAL	0	0	7	43	202	830	1901	1202	4085	100 0
PCT	0	0	.2	1.1	4 9	20 3	44 1	29 4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
0	0	*	1	1	*	0	0	.0	.0
1	2	3	.6	6	8	2	.1	0	*
7	19	30	64	43	22	10	.6	.0	7
21	35	70	180	136	57	28	24	.0	1.3
11	6	17	57	31	20	17	22	.0	1.0
*	*	*	*	*	*	.1	.0	.0	*
40	63	120	308	217	108	58	54	.0	3.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	97	90	88	83	77	75	72	82.5	1235
06&09	97	94	91	85	80	77	75	84.8	1351
12&15	95	88	86	82	78	76	70	82 2	1262
18&21	90	86	85	81	77	75	72	81 1	1362
TOT	97	91	88	83	78	76	70	82 6	5210

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	0	13	5.8	24.4	43.5	24.9	87	995
06&09	0	35	11.4	32.2	42.0	10.9	79	989
12&15	.0	2	1 5	15.4	48.8	34.1	86	1053
18&21	.0	.0	1.4	10.3	41.9	46.4	88	1053
TOT	0	50	202	831	1803	1204	84	4090

MAY

PERIOD: (PRIMARY) 1958-1971
(OVER-ALL) 1860-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.0	.1	*	6	.0	.1
14/16	.0	.0	.0	*	*	.1	.1	12	.0	.3
11/13	.0	.0	.0	*	.3	.7	.2	50	.0	1.3
9/10	.0	.0	*	.4	1.0	.9	.1	111	.0	2.4
7/8	.0	.0	.1	1.6	1.8	.6	.1	195	.0	4.3
6	.0	*	.6	1.1	1.7	.3	.0	169	.0	3.7
5	.0	*	.9	1.7	2.3	.6	.0	254	.1	5.5
4	.0	.2	1.5	2.7	1.8	.5	*	299	*	6.6
3	.0	.1	2.3	3.8	1.9	.4	.0	384	*	8.4
2	.0	.3	1.5	5.9	2.4	.1	.0	465	*	10.2
1	.0	.2	1.8	5.3	1.8	*	*	416	*	9.1
0	.1	.2	3.0	8.4	1.7	*	.0	609	*	13.4
-1	.0	.1	2.7	4.4	1.3	.0	.0	390	*	8.6
-2	.0	.2	2.9	5.5	.6	.0	.0	419	*	9.2
-3	.0	.1	2.7	2.8	.4	.0	.0	276	*	6.1
-4	.0	.2	2.0	2.1	.1	.0	.0	206	.0	4.5
-5	.0	.1	1.6	1.1	.1	.0	.0	133	.0	2.9
-6	.0	.2	1.1	.2	*	.0	.0	71	*	1.5
-7/-8	*	*	.9	.3	.0	.0	.0	54	.0	1.2
-9/-10	*	.1	.1	*	.0	.0	.0	10	*	.2
-11/-13	.0	*	*	.0	.0	.0	.0	3	.0	.1
TOTAL								4542		
PCT	.1	2.2	25.8	47.6	19.3	4.4	.6	100.0	.4	99.6

MAY

PERIOD: (OVER-ALL) 1963-1971

TABLE 18

AREA 0002 DA NANG 15.9N 108.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.2	.1	.0	.0	.0	1.6
1-2	.1	1.0	.7	.0	.0	.0	1.9
3-4	*	.1	.4	.1	.0	.0	.7
5-6	.0	*	.2	*	.0	.0	.2
7	.0	.0	.0	*	.0	.0	*
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	2.3	1.5	.2	.0	.0	4.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.2	.1	.0	.0	.0	2.8
1-2	.2	2.4	1.0	.0	.0	.0	3.6
3-4	*	.2	.3	.0	.0	.0	.6
5-6	*	*	.1	.0	.0	.0	.1
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	4.8	1.6	.0	.0	.0	7.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	3.4	*	.0	.0	.0	4.3
1-2	.3	2.7	3.7	.0	.0	.0	6.6
3-4	.1	.7	.6	.0	.0	.0	1.4
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	6.7	4.4	.0	.0	.0	12.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	5.8	.1	.0	.0	.0	6.9
1-2	.4	8.3	9.5	.0	.0	.0	18.3
3-4	*	1.2	2.8	.3	.0	.0	4.3
5-6	.0	.1	.3	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	15.5	12.7	.3	.0	.0	29.9

PERIOD: (OVER-ALL) 1963-1971

MAY

TABLE 18

AREA 0002 DA NANG 15.9N 108.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	4.8	.2	.0	.0	.0	6.2
1-2	.3	5.7	4.6	.0	.0	.0	10.6
3-4	.0	.8	2.0	.2	.0	.0	2.9
5-6	.0	.1	.4	.0	.0	.0	.5
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	11.4	7.4	.2	.0	.0	20.3

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	3.1	.3	.0	.0	.0	4.4
1-2	.1	3.0	2.1	.0	.0	.0	5.2
3-4	.0	.1	.8	.5	.0	.0	1.4
5-6	.0	*	.1	.0	.0	.0	.1
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	6.3	3.3	.5	.0	.0	11.1

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	1.7	.1	.0	.0	.0	2.9
1-2	.1	1.2	.8	.0	.0	.0	2.1
3-4	.0	.1	.6	.2	.0	.0	.9
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	0	.0	.0	.0	*	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	0	0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	3.1	1.6	.2	*	.0	6.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	1.2	*	.0	.0	.0	2.1
1-2	.1	1.0	.7	.0	.0	.0	1.8
3-4	.0	.2	.7	.4	.0	.0	1.4
5-6	.0	.1	.2	1	.0	.0	.4
7	.0	.0	*	.1	.0	.0	.2
8-9	.0	.0	*	*	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	2.5	1.8	.7	.0	.0	5.9

PERIOD: (OVER-ALL) 1963-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	10.1	23.2	1.0	.0	.0	.0	34.3	
1-2	1.6	25.0	23.0	.0	.0	.0	49.7	
3-4	.2	3.6	8.2	1.6	.0	.0	13.6	
5-6	*	.3	1.4	.1	.0	.0	1.9	
7	.0	.0	.2	.1	.0	.0	.4	
8-9	.0	.0	.1	*	.0	.0	.1	
10-11	.0	.0	*	.0	*	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	11.9	52.2	33.9	2.0	*	.0	100.0	2764

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	9.9	38.8	16.9	1.9	.3	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2156	2
6-7	.0	4.9	2.6	.9	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	290	3
8-9	.0	1.2	6	1	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	87	4
10-11	0	.1	.1	.2	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	4
12-13	0	.0	.3	.1	1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	4
>13	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	9.6	7.2	1.9	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	613	1
TOTAL	619	1658	706	107	59	16	7	0	0	0	0	0	0	0	0	0	0	0	0	3172	2
PCT	19.5	52.3	22.3	3.4	1.9	.5	.2	.0	.0	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD. (LC MARY) 1941-1971
(G ER-ALL) 1866-1971

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15.8N 108.9E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			PRECIPITATION TYPE								OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT PCPN AT OBS TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	1	.1	*	.0	.0	.0	.0	.2		.1	.0	*	.0		9.4	
NE	*	1	*	.0	.0	.0	.0	.1		.1	.0	.1	.0		8.6	
E	1	1	.0	.0	.0	.0	.0	.1		.2	.0	.3	.0		9.1	
SE	*	.3	.0	.0	.0	.0	.0	.3		.8	.0	.4	.0		10.0	
S	.1	1	0	.0	.0	.0	.0	.2		1.0	.0	.2	.0		27.4	
SW	.2	1	*	.0	.0	.0	.0	.4		.5	.0	.2	.0		15.3	
W	.3	1	1	0	.0	.0	.0	.5		.4	.0	.4	.0		9.6	
NW	.2	1	.0	.0	.0	.0	.0	.3		.1	.0	*	.0		4.6	
VAR	.0	.0	0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0	
CALM	.0	.1	0	.0	.0	.0	.0	.1		.1	.0	.2	.0		3.0	
TOT OBS	40	38	5	0	0	0	0		83	128	0	60		0	3607	3877
TOT PCT	1.0	1.0	.1	.0	.0	.0	.0	2.1		3.3	.0	1.5	.0		93.0	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			PRECIPITATION TYPE								OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT PCPN AT OBS TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	.4	.3	.2	.0	.0	.0	.0	1.0		.1	.0	2.6		.0	96.4	
06&09	.8	.7	.2	.0	.0	.0	.0	1.8		.1	.0	1.8		.0	96.3	
12&15	.8	1.8	.0	.0	.0	.0	.0	2.6		7.8	.0	.9		.0	88.8	
18&21	2.0	1.0	.1	.0	.0	.0	.0	3.1		4.8	.0	1.0		.0	91.0	
TOT	40	38	5	0	0	0	0		83	128	0	60		0	3610	3880
PCT	1.0	1.0	.1	0	.0	.0	.0	2.1		3.3	.0	1.5		.0	93.0	

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TABLE 3

AREA 0002 DA NANG
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PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.5	2.1	.9	*	.0	.0		3.5	8.2	2.1	5.6	6.9	6.0	4.0	.4	1.2	1.1
NE	.5	2.8	1.2	.0	.0	.0		4.5	8.1	1.6	7.4	9.9	10.1	3.9	.6	1.4	1.2
E	.8	4.5	1.7	*	.0	.0		7.0	8.1	2.8	4.4	12.6	13.6	9.6	5.1	3.6	1.2
SE	.8	10.3	7.4	.2	.0	.0		18.7	10.2	9.2	11.1	14.1	19.2	34.2	29.7	19.4	9.7
S	1.3	15.8	13.5	.6	.0	.0		31.3	10.6	31.1	29.3	25.5	25.7	25.3	36.8	39.8	42.4
SW	.9	9.9	5.7	.4	.0	.0		16.9	9.6	24.6	16.2	13.5	10.9	10.7	17.7	19.3	23.2
W	.8	5.6	3.5	.3	*	.0		10.2	9.8	18.0	13.6	8.2	7.3	6.1	4.0	9.7	14.4
NW	.4	2.9	1.3	.1	.0	.0		4.6	8.6	6.0	5.6	6.2	5.6	3.9	3.4	2.7	3.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.2							3.2	.0	4.6	6.7	3.1	1.4	2.2	2.2	2.8	3.7
TOT OBS	412	2423	1576	78	1	0	4490		9.5	758	267	845	352	814	279	820	355
TOT PCT	9.2	54.0	35.1	1.7	*	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	1.5	1.8	.2	.0	.0		3	8.2	3.0	6.6	3.1	1.2
NE	1.8	2.6	.1	.0	.0		4.5	8.1	3.1	10.0	3.1	1.3
E	2.8	4.0	.3	.0	.0		7.0	8.1	3.2	12.9	8.5	2.9
SE	4.5	12.4	1.9	*	.0		18.7	10.2	9.7	15.6	33.1	16.5
S	6.8	20.4	4.0	*	.0		31.3	10.6	30.6	25.6	28.2	40.6
SW	5.0	10.3	1.5	*	.0		16.9	9.6	22.4	12.7	12.5	20.5
W	3.3	5.6	1.2	*	.0		10.2	9.8	16.9	8.0	5.6	11.1
NW	1.8	2.6	.2	.0	.0		4.6	8.6	5.9	6.0	3.8	2.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.2						3.2	.0	5.2	2.6	2.2	3.1
TOT OBS	1381	2683	421	5	0	4490		9.5	1025	1197	1093	1175
TOT PCT	30.8	59.8	9.4	.1	.0		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	5.2	8.7	56.9	27.9	1.4	.0	.0	8.5	100.0	1025
06&09	2.6	5.0	50.2	39.8	2.3	.0	.0	10.0	100.0	1197
12&15	2.2	4.2	53.9	38.3	1.3	.1	.0	9.9	100.0	1093
18&21	3.1	6.2	55.3	33.5	1.9	.0	.0	9.4	100.0	1175
TOT	144	268	2423	1570	78	1	0	9.5		4490
PCT	3.2	6.0	54.0	35.1	1.7	*	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.3	.6	2.4	.9		5.7
NE	.7	.9	3.2	.7		5.3
E	2.1	1.7	3.6	.8		4.5
SE	5.7	4.5	7.8	1.5		4.3
S	8.4	6.1	10.0	1.7		4.0
SW	3.5	2.8	7.7	2.1		4.8
W	.9	1.5	6.2	2.8		5.8
NW	.5	6	3.3	1.0		5.8
VAR	.0	0	.0	.0		.0
CALM	.9	.8	1.5	.4		4.5
TOT OBS	794	669	1579	404	3446	4.7
TOT PCT	23.0	19.4	45.8	11.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM >4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
.0	.0	*	.0	.4	.4	.1	.1	.1	.1	3.0	
.0	.0	.0	.0	.1	.7	.2	*	.1	.1	4.2	
.0	*	.0	.1	.4	.5	.2	*	.3	.2	6.4	
.1	.0	.1	.1	1.1	1.4	.3	.2	.5	.3	15.5	
.1	*	.1	.2	.8	1.7	.4	.3	.7	.5	21.5	
*	*	.1	.2	.8	2.0	.5	.2	.4	.7	11.3	
.0	.0	.1	.2	1.5	1.9	.4	.3	.3	.2	6.4	
.0	.0	.1	.1	.5	.8	.2	.1	.3	.1	3.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.1	.2	.1	.1	.1	.1	2.9	
4	3	19	31	197	325	85	43	95	81	2553	3446
.1	.1	.6	.9	5.7	9.4	2.5	1.2	2.8	2.4	74.4	100.0

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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	4.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
= OR >3000	5.2	6.4	6.4	6.4	6.4	6.4	6.4	6.4
= OR >1500	7.3	8.8	8.8	8.8	8.8	8.8	8.8	8.8
= OR >2000	15.5	18.2	18.3	18.3	18.3	18.3	18.3	18.3
= OR >1000	19.9	23.7	24.0	24.0	24.0	24.0	24.0	24.0
= OR >600	20.6	24.6	24.9	24.9	24.9	24.9	24.9	24.9
= OR >300	20.9	25.1	25.4	25.4	25.4	25.4	25.4	25.4
= OR >150	21.0	25..	25.4	25.5	25.5	25.5	25.5	25.5
= OR > 0	21.1	25.3	25.6	25.6	25.6	25.6	25.6	25.6
TOTAL	728	871	881	882	882	882	884	884

TOTAL NUMBER OF OBS: 3448 PCT FREQ NH <5/8: 74.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
9.2	17.2	30.2	11.9	6.1	8.5	9.7	3.8	3.3	.0	3495

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	*	.0	.0	.0	*	*	.0	.0	.1	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	*	.0	.0	.0	*	*	.0	.0	.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	*	*	.0	.0	*	*	.0	.0	.1	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	*	*	.0	.0	*	*	.0	.0	.1	
	PCP	*	*	*	*	.0	*	*	*	.0	.0	.2	
2<5	NO PCP	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.2	
	TOT %	*	*	*	.1	.1	*	.1	*	.0	.0	.3	
	PCP	.1	.1	*	.2	.1	.2	.3	.1	.0	*	1.1	
5<10	NO PCP	.4	.6	.8	1.9	2.3	1.7	1.0	.5	.0	.4	9.6	
	TOT %	.5	.7	.9	2.0	2.5	1.9	1.4	.5	.0	.4	10.7	
	PCP	.1	*	*	.1	.1	.2	.1	.1	.0	*	.7	
10+	NO PCP	3.2	4.2	6.8	17.3	26.1	14.3	9.1	4.3	.0	2.8	88.1	
	TOT %	3.3	4.2	6.8	17.3	26.2	14.5	9.2	4.4	.0	2.9	88.9	
	TOT OBS												3877
	TOT PCT	3.8	4.9	7.7	19.5	28.7	16.3	10.7	5.0	.0	3.3	100.0	

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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	*	.0	.0	.0	.0	*	.0		*	
	11-21	.0	.0	.0	0	.0	.0	*	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	*	.0	0	.0	*	*	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	*	.0	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	0	.0	.0	.0	.0	.0	.0		0	
	TOT %	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	*	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	*	*	.0	.0	*	*	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	*	*	.0	.0	*	*	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	*	.1	*	*	*	.0		.3	
	11-21	*	*	*	*	.0	*	*	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	*	.0	.0		*	
	TOT %	*	*	*	.1	.1	.1	.1	*	.0	.0	.4	
	0-3	.1	*	.1	*	.1	*	.1	*	.0	.4	.8	
5<10	4-10	.3	.5	.6	1.1	1.3	1.2	.6	.3	.0		5.7	
	11-21	.1	.2	.1	.8	1.0	.5	.6	.1	.0		3.4	
	22+	.0	.0	.0	*	.0	.0	*	.1	.0		.1	
	TOT %	.4	.6	.8	1.9	2.3	1.7	1.3	.5	.0	.4	10.0	
	0-3	.4	.4	.7	.8	1.3	.9	.6	.4	.0	2.9	8.4	
10+	4-10	1.9	2.5	4.3	9.4	13.7	8.6	5.0	2.6	.0		47.9	
	11-21	.8	1.1	1.6	6.9	11.9	5.1	3.0	1.2	0		31.6	
	22+	*	.0	.0	.2	.6	.3	.3	*	.0		1.5	
	TOT %	3.1	4.0	6.6	17.2	27.5	15.0	8.9	4.2	.0	2.9	89.4	
	TOT OBS												4127
	TOT PCT	3.6	4.7	7.5	19.2	29.9	16.8	10.4	4.8	.0	3.3	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.1	.0	.8	1.1	4.7	8.0	2.4	1.8	3.0	2.5	24.4	75.6	836
06&09	.1	.2	.5	1.0	5.8	8.5	2.0	1.4	2.2	2.2	23.8	76.2	868
12&15	.1	.1	.2	.7	6.2	12.7	2.5	9	4.1	2.1	29.7	70.3	902
18&21	.1	.0	.7	.8	5.9	7.9	2.8	.9	1.6	2.5	23.1	76.9	886
TOT	4	3	19	31	197	326	85	43	95	81	884	2608	3492
PCT	.1	.1	.5	.9	5.6	9.3	2.4	1.2	2.7	2.3	25.3	74.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	1	.0	0	.2	9.3	90.3	828
06&09	1	.0	0	.1	8.1	91.7	853
12&15	.0	.0	0	.2	13.1	86.7	893
18&21	0	.0	1	.9	12.7	86.3	874
TOT	2	0	1	13	374	3058	3448
PCT	.1	0	*	.4	10.8	88.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.NM >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.1	1.0	2.2	22.6	75.2	828
06&09	.1	.8	2.0	22.3	75.7	853
12&15	.1	.4	1.3	28.8	69.9	893
18&21	.1	.8	2.5	21.1	76.4	874
TOT	4	26	69	818	2561	3448
PCT	.1	.8	2.0	23.7	74.3	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-39	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	*	.1	.3	.1	*	.0	17	.5
90/94	.0	.0	.0	.6	2.4	1.8	.6	.1	182	5.4
85/89	.0	.0	.1	.2	3.6	16.5	14.3	2.6	1266	37.2
80/84	.0	.0	.0	.1	.9	8.6	30.9	12.2	1795	52.8
75/79	.0	.0	.0	.0	*	.4	1.8	1.9	139	4.1
TOTAL	0	0	4	35	240	933	1615	572	3399	100.0
PCT	.0	.0	.1	1.0	7.1	27.4	47.5	16.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.0	.1	.1	.2	.1	.1	*	.0	.0
.2	.6	.9	.8	1.0	.9	.4	.3	.0	.2
1.9	3.1	4.3	8.3	8.5	4.8	3.4	1.5	.0	1.4
1.7	1.8	2.9	10.2	15.6	9.4	6.3	3.0	.0	1.9
.2	.1	.1	.2	.6	1.2	1.1	.5	.0	.1
4.1	5.5	8.2	19.7	25.9	16.4	11.3	5.3	.0	3.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	98	92	89	84	80	77	73	84.1	1022
06&09	97	95	92	86	82	79	75	86.5	1182
12&15	94	90	88	84	80	78	76	84.0	1088
18&21	93	87	86	83	79	76	74	82.6	1167
TOT	98	93	90	84	80	77	73	84.3	4459

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.0	9.0	30.3	45.9	13.7	81	808
06&09	.0	3.0	17.1	42.7	32.2	5.0	76	836
12&15	.0	.3	2.4	23.4	55.8	18.1	83	889
18&21	.0	.3	.3	14.3	55.3	29.7	86	868
TOT	0	39	240	934	1616	572	82	3401

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PERIOD: (PRIMARY) 1941-1971
(OVER-ALL) 1866-1971

AREA 0002 DA NANG
15.8N 108.9E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WB FOG
17/19	.0	.0	.0	.0	*	.0	1	.0	*
14/16	.0	.0	.1	.1	.1	.1	15	.0	.4
11/13	.0	.0	*	.2	.2	.4	31	.0	.8
9/10	.0	.0	.1	.5	.5	.3	55	.0	1.4
7/8	.0	.0	.3	1.5	1.4	.2	128	.0	3.4
6	.0	.0	.3	1.6	1.1	.1	118	.0	3.1
5	.0	.0	.7	2.0	1.5	.1	161	.0	4.2
4	.0	.1	1.7	3.4	.8	.0	225	.0	5.9
3	.0	.1	2.1	3.9	.8	.0	261	.0	6.9
2	.0	.2	5.2	4.6	.6	.0	400	.0	10.5
1	.0	.2	5.4	4.5	.2	.0	393	.0	10.4
0	.0	1.1	8.0	4.1	.2	.0	508	.0	13.4
-1	.0	.7	6.7	3.2	.2	.0	408	.0	10.8
-2	.1	1.9	6.8	1.6	*	.0	392	.0	10.3
-3	*	1.0	4.2	1.2	*	.0	244	.0	6.4
-4	.1	.9	3.5	.7	.0	.0	202	.0	5.3
-5	.1	1.0	1.7	.5	.0	.0	126	.0	3.3
-6	*	.6	1.0	.1	.0	.0	64	.0	1.7
-7/-8	.2	.6	.5	.1	.0	.0	48	.0	1.3
-9/-10	.2	.1	*	.0	.0	.0	13	.0	.3
TOTAL							3793		
PCT	.7	8.4	48.4	33.4	7.7	1.3	100.0		99.9

PERIOD: (OVER-ALL) 1963-1971 JUNE

TABLE 18

AREA 0002 OA NANG
15.8N 108.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.4	.0	.0	.0	0	1.9
1-2	.2	1.4	.9	.0	.0	.0	2.5
3-4	*	*	.3	.0	.0	.0	.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	2.8	1.2	.0	.0	.0	4.8

NE

1-3	4-10	11-21	22-33	34-47	48+	PCT
.5	1.9	.1	.0	.0	.0	2.5
.2	1.7	1.1	.0	.0	.0	2.9
.0	.1	.1	.0	.0	.0	.1
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.7	3.7	1.2	.0	.0	.0	5.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.5	.0	.0	.0	.0	3.2
1-2	.3	3.7	1.8	.0	.0	.0	5.8
3-4	.0	.3	.2	.0	.0	.0	.5
5-6	.0	*	.1	.0	.0	.0	.1
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	6.5	2.2	.0	.0	.0	9.6

SE

1-3	4-10	11-21	22-33	34-47	48+	PCT
.5	2.6	.1	.0	.0	.0	3.2
.3	6.9	5.7	.0	.0	.0	12.9
0	1.0	1.9	.1	.0	.0	3.0
.0	.1	.3	.0	.0	.0	.4
.0	.0	.2	.0	.0	.0	.2
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.8	10.5	8.2	.1	.0	.0	19.6

PERIOD: (OVER-ALL) 1963-1971

JUNE

TABLE 18

AREA 0002 DA NANG 15.8N 108.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.2	4.3	.3	.0	.0	0	5.8
1-2	.4	7.4	5.1	.0	.0	.0	12.8
3-4	*	1.3	3.6	.3	.0	.0	5.3
5-6	.0	.2	.6	.1	.0	.0	.9
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1 6	13.2	9.8	.4	.0	.0	25.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	3.5	.2	.0	.0	.0	4.6
1-2	.2	5.1	3.5	.0	.0	.0	8.8
3-4	.0	.5	1.2	.2	.0	.0	1.8
5-6	.0	*	.1	*	.0	.0	.2
7	.0	.0	.1	*	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	9.1	5.0	.2	.0	.0	15.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	2.2	*	.0	.0	.0	2.9
1-2	1	3.6	2.8	.0	.0	.0	6.6
3-4	.0	.1	1.3	.3	.0	.0	1.7
5-6	0	*	*	.1	.0	.0	.1
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	7	6.1	4 2	.4	.0	0	11.4

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.3	.1	.0	.0	.0	1.7
1-2	.1	2.2	.9	.0	.0	.0	3.1
3-4	.0	.1	.5	.0	.0	.0	.6
5-6	.0	.0	*	*	.0	.0	.1
7	.0	.0	*	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	3.6	1.5	.1	.0	.0	5.6

PERIOD: (OVER-ALL) 1963-1971

AREA 0002 DA NANG
15.8N 108.9E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	9.0	19.6	.8	.0	.0	.0	29.4	
1-2	1.9	31.5	21.6	.0	.0	.0	54.9	
3-4	.1	3.4	9.0	.9	.0	.0	13.3	
5-6	.0	.4	1.1	.2	.0	.0	1.7	
7	.0	.0	.5	.2	.0	.0	.6	
8-9	.0	.0	*	.0	.0	.0	*	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								2523
TOT PCT	11.0	54.9	33.0	1.2	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	9.7	47.2	14.2	1.6	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2016	2
6-7	.1	3.2	2.5	.8	.2	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	191	3
8-9	.0	.5	.4	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	47	4
10-11	.0	.2	.2	*	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	5
12-13	.0	.0	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	9.6	5.0	2.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	470	1
TOTAL	534	1545	534	89	33	13	1	0	0	0	0	0	0	0	0	0	0	0	0	2749	2
PCT	19.4	56.2	19.4	3.2	1.2	.5	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1954-1971
(OVER-ALL) 1859-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			PRECIPITATION TYPE							OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.2	*	.1	.0	.0	.0	.0	.2		.1	.0	.1		.0	3.6	
NE	*	*	*	.0	.0	.0	.0	.1		.1	.0	.1		.0	4.3	
E	.1	*	*	.0	.0	.0	.0	.1		.2	.0	.1		*	6.3	
SE	.1	*	*	.0	.0	.0	.0	.1		.9	.0	.3		.0	14.5	
S	.3	.1	*	.0	.0	.0	.0	.4		.8	.0	.2		.0	23.7	
SW	.5	.1	.1	.0	.0	.0	.0	.7		.8	*	.3		*	19.9	
W	.8	.1	.1	.0	.0	.0	.0	1.1		.4	.0	.1		*	10.9	
NW	.5	.2	*	.0	.0	.0	.0	.7		.1	*	.1		.0	9.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	*	.0	.0	.0	.0	.0	.0	*		.3	.0	*		.0	2.4	
TOT OBS	125	33	19	0	0	0	0		171	107	2	53		4	4519	4933
TOT PCT	2.5	.7	.4	.0	.0	.0	.0	3.5		3.8	*	1.1		.1	91.6	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			PRECIPITATION TYPE							OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	1.7	1.0	.3	.0	.0	.0	.0	3.0		.0	.0	1.4		.0	95.6	
06&09	2.3	.8	.6	.0	.0	.0	.0	3.5		.2	.1	1.6		.2	94.4	
12&15	3.5	.2	.3	.0	.0	.0	.0	3.9		7.6	.1	.7		.1	87.8	
18&21	2.6	.6	.3	.0	.0	.0	.0	3.4		7.2	.0	.6		.1	88.8	
TOT	125	33	19	0	0	0	0		171	107	2	53		4	4527	4941
PCT	2.5	.7	.4	.0	.0	.0	.0	3.5		3.8	*	1.1		.1	91.6	

JULY

PERIOD: (PRIMARY) 1954-1971
(OVER-ALL) 1859-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.5	2.2	.9	.1	.0	.0		3.7	8.5	2.3	6.6	7.5	6.3	4.0	.5	1.2	.5
NE	.4	2.6	1.2	*	.0	.0		4.2	8.3	2.1	3.6	10.8	9.5	3.4	.1	1.1	.6
E	.5	4.3	1.5	*	.0	.0		6.3	8.4	3.0	2.7	10.1	13.9	10.8	2.6	2.8	1.6
SE	1.0	8.9	5.3	.4	.0	.0		15.6	9.9	7.1	7.6	11.9	14.1	28.0	28.4	17.6	8.8
S	1.4	13.4	9.7	1.5	.1	.0		26.1	11.0	25.9	21.5	18.8	22.3	24.6	35.8	33.2	30.7
SW	1.2	10.4	8.7	2.2	.2	.0		22.7	12.1	30.3	22.5	18.6	18.8	14.4	19.3	25.1	34.5
W	.5	5.7	4.7	1.1	.1	.0		12.2	12.0	18.6	15.8	12.8	9.2	6.4	8.9	11.6	13.5
NW	.5	3.0	1.5	.4	*	.0		5.4	10.3	7.2	8.9	6.6	4.0	5.3	2.0	3.4	5.1
VAR	.0	0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.8							3.8	.0	3.6	10.7	2.9	1.9	3.2	2.4	4.1	4.6
TOT OBS	549	2829	1881	330	25	0	5614		10.4	974	373	1007	476	974	370	979	461
TOT PCT	9.8	50.4	33.5	5.9	.4	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	1.5	1.9	.2	.0	.0		3.7	8.5	3.5	7.1	3.1	1.0
NE	1.6	2.4	.1	.0	.0		4.2	8.3	2.5	10.4	2.5	.9
E	2.1	4.1	.1	.0	.0		6.3	8.4	2.9	11.3	8.5	2.4
SE	4.6	9.2	1.7	.1	.0		15.6	9.9	7.2	12.6	28.1	14.8
S	6.1	15.5	4.1	.4	.0		26.1	11.0	24.7	19.9	27.7	32.4
SW	5.3	12.1	4.5	.8	.0		22.7	12.1	28.1	18.7	15.7	28.1
W	3.0	6.4	2.3	.4	*		12.2	12.0	17.8	11.6	7.1	12.2
NW	1.7	2.7	.8	.1	.0		5.4	10.3	7.7	5.7	4.4	3.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.8						3.8	.0	5.6	2.6	3.0	4.2
TOT OBS	1674	3050	783	106	1	5614		10.4	1347	1483	1344	1440
TOT PCT	29.8	54.3	13.9	1.9	*		100.0		100.0	100.0	100.0	100.0

JULY

PERIOD: (PRIMARY) 1954-1971
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	5.6	8.2	50.3	28.7	6.3	.9	.0	10.0	100.0	1347
06&09	2.6	5.8	50.0	34.7	6.5	.4	.0	10.7	100.0	1483
12&15	3.0	4.2	50.5	37.4	4.6	.3	.0	10.6	100.0	1344
18&21	4.2	5.7	50.7	33.2	6.0	.2	.0	10.2	100.0	1440
TOT	214	335	2829	1881	330	25	0	10.4		5614
PCT	3.8	6.0	50.4	33.5	5.9	.4	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.3	.8	2.0	1.1		5.7
NE	1.0	1.0	2.1	1.0		5.1
E	2.0	1.4	3.0	.9		4.4
SE	5.1	3.6	5.9	1.6		4.2
S	7.3	4.6	8.0	3.0		4.3
SW	4.7	3.7	8.7	3.9		4.9
W	2.2	1.9	5.1	4.3		5.6
NW	.7	9	1.9	2.6		6.0
VAR	.0	.0	.0	.0		.0
CALM	.9	.7	1.6	.8		4.9
TOT OBS	1082	824	1697	854	4457	4.8
TOT PCT	24.3	18.5	38.1	19.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM) 4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	*	.0	.0	*	.3	.3	*	.1	.1	*	3.3	
NE	*	.0	.0	*	.1	.3	.1	.1	.1	*	4.2	
E	.0	.0	.0	*	.2	.5	.1	.1	.2	.1	8.1	
SE	*	.0	.0	*	.4	.8	.1	.1	.7	.5	13.5	
S	.1	.0	*	.1	.9	1.4	.4	.4	1.0	.7	17.8	
SW	*	*	*	.2	1.5	1.3	.5	.4	1.5	.5	15.2	
W	*	.0	.0	.2	1.1	1.2	.5	.2	.5	.4	9.3	
NW	.0	*	.0	.1	1.0	.8	.1	.2	.2	.1	3.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.1	.2	.1	.1	.1	*	3.5	
TOT OBS	8	2	2	32	246	299	82	77	195	106	3408	4457
TOT PCT	.2	*	*	.7	5.5	6.7	1.8	1.7	4.4	2.4	76	100.0

JULY

PERIOD: (PRIMARY) 1954-1971
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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (HH)4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR)10	= OR)5	= OR)2	= OR)1	= OR)1/2	= OR)1/4	= OR)50YD	= OR)0
= OR)6500	5.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7
= OR)5000	6.3	8.5	8.5	8.5	8.5	8.5	8.5	8.5
= OR)3500	7.7	10.3	10.3	10.3	10.3	10.3	10.3	10.3
= OR)2000	12.8	16.9	17.0	17.0	17.0	17.0	17.0	17.0
= OR)1000	16.6	22.2	22.4	22.5	22.5	22.5	22.5	22.5
= OR)600	17.1	22.8	23.1	23.1	23.2	23.2	23.2	23.2
= OR)300	17.1	22.9	23.1	23.2	23.3	23.3	23.3	23.3
= OR)150	17.1	22.9	23.2	23.2	23.3	23.3	23.3	23.3
= OR) 0	17.3	23.0	23.3	23.4	23.5	23.5	23.5	23.5
TOTAL	770	1028	1042	1043	1048	1048	1048	1048

TOTAL NUMBER OF OBS: 4463

PCT FREQ HH (5/8: 76.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
9.5	21.2	30.2	10.2	5.5	5.6	9.0	3.4	5.3	.1	4529

JULY

PERIOD: (PRIMARY) 1954-1971
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	*	.0	*	*	.0	*	.1	*	.0	.0	.1	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	.0	*	*	.0	*	.1	*	.0	.0	.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
1<2	NO PCP	.0	.0	.0	.0	.0	*	*	.0	.0	.0	*	
	TOT %	.0	.0	.0	.0	.0	*	*	*	.0	.0	*	
	PCP	.0	.0	.0	*	*	*	.1	.1	.0	.0	.3	
2<5	NO PCP	.0	.0	.0	*	.1	.1	*	.0	.0	.0	.1	
	TOT %	.0	.0	.0	*	.1	.1	.1	.1	.0	.0	.4	
	PCP	.1	*	.1	.1	.2	.4	.7	.4	.0	*	2.0	
5<10	NO PCP	.4	.6	.8	2.1	4.1	3.1	1.6	.9	.0	.4	14.0	
	TOT %	.5	.6	.9	2.2	4.3	3.5	2.3	1.3	.0	.4	16.1	
	PCP	.1	*	*	*	.1	.2	.3	.2	.0	.0	1.0	
10+	NO PCP	3.3	4.0	5.8	13.5	20.5	17.9	9.8	4.1	.0	3.3	82.4	
	TOT %	3.4	4.0	5.8	13.5	20.6	18.2	10.1	4.3	.0	3.3	83.4	
	TOT OBS												4933
	TOT PCT	4.0	4.6	6.8	15.8	25.0	21.8	12.5	5.8	.0	3.7	100.0	

JULY

PERIOD: (PRIMARY) 1954-1971
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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	*	.0	.0	.0	.0	.0	.0	.0	.0		*	
	11-21	.0	.0	*	*	.0	*	*	*	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	*	.0	.0		*	
	TOT %	*	.0	*	*	.0	*	.1	*	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	*	.0	*	.0		*	
	22+	.0	.0	.0	.0	.0	*	*	.0	.0		*	
	TOT %	.0	.0	.0	.0	.0	*	*	*	.0	.0	.1	
	0-3	.0	.0	.0	*	*	.0	.0	.0	.0	.0	*	
2<5	4-10	.0	.0	.0	.1	.1	*	*	*	.0		.3	
	11-21	.0	.0	.0	.0	*	.1	*	*	.0		.1	
	22+	.0	.0	.0	.0	.0	*	*	*	.0		.1	
	TOT %	.0	.0	.0	.1	.2	.1	.1	.1	.0	.0	.5	
	0-3	*	.1	*	.1	.3	.2	.1	.1	.0	.4	1.4	
5<10	4-10	.3	.3	.6	1.4	2.0	1.4	.8	.6	.0		7.5	
	11-21	.1	.1	.2	.6	1.5	1.2	1.0	.4	.0		5.0	
	22+	*	*	*	.1	.4	.5	.3	.2	.0		1.5	
	TOT %	.5	.6	.9	2.1	4.1	3.4	2.2	1.2	.0	.4	15.4	
	0-3	.4	.3	.5	.7	1.0	1.0	.4	.4	.0	3.4	8.1	
10+	4-10	1.9	2.4	3.7	7.2	10.9	8.3	4.8	2.5	.0		42.0	
	11-21	.9	1.1	1.4	5.0	8.2	7.4	3.8	1.2	.0		29.0	
	22+	.1	*	.0	.4	1.4	1.9	.9	.2	.0		4.8	
	TOT %	3.3	3.8	5.6	13.4	21.4	18.9	9.9	4.2	.0	3.4	83.9	
	TOT OBS												5185
	TOT PCT	3.8	4.4	6.5	15.6	25.7	22.4	12.3	5.6	.0	3.7	100.0	

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PERIOD: (PRIMARY) 1954-1971
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.MM >4/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00&03	.3	.0	.0	.7	5.4	6.7	2.2	2.4	4.9	2.3	24.8	75.2	1135
06&09	.3	.0	.1	.6	4.0	6.4	1.9	1.1	3.9	2.1	20.3	79.7	1108
12&15	.0	.0	.0	.8	6.3	7.5	1.7	1.5	4.5	2.6	24.8	75.2	1148
18&21	.2	.2	.1	.7	6.1	5.9	1.5	1.9	3.9	2.4	22.8	77.2	1126
TOT	8	2	2	32	246	299	82	77	195	106	1049	3468	4517
PCT	.2	*	*	.7	5.4	6.6	1.8	1.7	4.3	2.3	23.2	76.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	3	.0	.4	14.7	84.7	1123
06&09	.0	.1	.1	.3	14.1	85.5	1095
12&15	.0	.2	.1	.3	16.9	82.5	1133
18&21	.0	.1	.0	.6	18.7	80.5	1115
TOT	0	7	2	17	720	3720	4466
PCT	.0	.2	*	.4	16.1	83.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.MM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00&03	.4	.5	1.5	23.7	74.8	1123
06&09	.3	.5	1.5	19.2	79.4	1035
12&15	.2	.3	1.1	24.7	74.7	1133
18&21	.2	.4	1.4	21.7	76.3	1115
TOT	11	19	62	992	3412	4466
PCT	.2	.4	1.4	22.2	76.4	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
100/104	.0	.0	.0	.1	.0	.0	.0	.0	3	.1
95/99	.0	.0	.0	.1	.1	*	.0	0	14	.3
90/94	.0	0	.1	1.1	2.3	1.0	.5	.1	226	5.1
85/89	.0	.0	.0	0	7.5	18.4	9.6	2.6	1721	38.8
80/84	0	.0	.0	.0	1.0	12.7	28.1	10.4	2312	52.2
75/79	.0	.0	.0	.0	*	*	1.4	2.0	155	3.5
TOTAL	0	0	4	93	488	1424	1758	664	4431	100.0
PCT	.0	.0	.1	2.1	11.0	32.1	39.7	15.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	0	.0	.0	.0	.1	.0	.0	.0	.0
*	*	.1	.1	*	.1	*	*	.0	.0
.4	.6	.7	.5	.6	.9	.8	.2	.0	.3
2.1	2.9	3.9	6.7	8.2	7.4	4.3	1.9	.0	1.4
1.7	1.5	2.5	8.9	12.9	11.9	7.1	2.5	.0	2.1
.1	.1	.1	.1	.4	.8	1.2	.6	.0	.1
4.4	5.1	7.2	16.3	22.2	21.2	13.4	6.2	.0	4.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	100	91	89	84	80	78	75	83.9	1347
06&09	100	94	92	86	82	79	75	86.3	1469
12&15	99	90	88	84	80	78	76	84.0	1347
18&21	89	87	86	83	79	78	76	82.7	1438
TOT	100	92	89	84	80	78	75	84.2	5601

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	2.2	13.0	34.6	37.1	13.1	79	1106
06&09	.0	6.3	22.9	41.1	22.6	7.1	74	1091
12&15	.0	.2	5.4	31.2	47.3	15.9	82	1122
18&21	.0	.2	3.0	21.8	51.3	23.7	84	1118
TOT	0	97	488	1425	1752	665	80	4437

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PERIOD: (PRIMARY) 1954-1971
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.1	.1	11	.0	.2
11/13	.0	.0	.0	.1	.6	.2	49	.0	1.0
9/10	.0	.0	*	.5	.9	.3	86	.0	1.7
7/8	.0	*	.3	1.3	1.5	.2	165	.0	3.4
6	.0	.0	.4	1.7	.6	.1	149	.0	3.1
5	.0	*	.9	2.4	.3	*	224	.0	4.6
4	.0	*	1.5	3.3	.8	*	255	.0	5.2
3	.0	*	2.1	4.1	.6	*	336	.0	6.9
2	.0	.2	4.8	5.4	.3	.0	521	.0	10.7
1	*	.2	5.2	5.6	.4	.0	538	.0	11.5
0	.1	1.0	9.4	4.5	.1	.0	739	.0	15.2
-1	*	.6	6.8	3.2	.2	.0	523	*	10.7
-2	*	1.4	7.3	.9	*	.0	467	.0	9.6
-3	*	.8	4.7	.9	*	.0	315	.0	6.5
-4	*	1.1	2.9	.3	.0	.0	207	*	4.2
-5	*	.7	1.7	.2	.0	.0	128	.0	2.6
-6	*	.5	.7	.0	.0	.0	58	.0	1.2
-7/-8	.1	.5	.6	*	.0	.0	59	.0	1.2
-9/-10	.1	.2	*	.0	.0	.0	15	.0	.3
-11/-13	*	.0	.0	.0	.0	.0	1	.0	*
TOTAL							4866		
PCT	.5	7.4	49.2	33.9	7.9	.9	100.0	*	99.9

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

AREA 0002 DA NANG
15.9N 108.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	3	1.6	0	.0	.0	0	2.0
1-2	2	1.2	1.0	0	.0	.0	2.4
3-4	.0	.1	1	.1	.0	.0	.3
5-6	0	.0	*	*	.0	.0	.1
7	0	0	.1	0	.0	.0	.1
8-9	0	0	*	0	.0	.0	*
10-11	0	0	.0	.0	.0	.0	.0
12	0	0	.0	.0	.0	.0	.0
13-16	0	0	0	.0	.0	.0	.0
17-19	0	0	0	0	.0	.0	.0
20-22	0	0	0	.0	.0	.0	.0
23-25	0	0	.0	.0	.0	.0	.0
26-32	0	.0	.0	.0	.0	.0	.0
33-40	0	.0	0	.0	.0	.0	.0
41-48	0	0	.0	.0	.0	.0	.0
49-60	.0	0	.0	.0	.0	.0	.0
61-70	0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	0	0	.0	.0	.0	.0	.0
TOT PCT	5	2.9	1.2	.1	.0	.0	4.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.7	.3	.0	.0	.0	2.3
1-2	.1	1.3	.9	.0	.0	.0	2.4
3-4	*	.1	.1	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.1	1.3	.0	.0	.0	4.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.5	.1	.0	.0	.0	2.1
1-2	.2	3.0	1.5	.0	.0	.0	4.6
3-4	*	.4	.3	.0	.0	.0	.7
5-6	0	.0	.0	.0	.0	.0	.0
7	0	.0	.0	.0	.0	.0	0
8-9	.0	0	.0	.0	.0	.0	.0
10-11	0	0	.0	.0	.0	.0	.0
12	0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	0	0	.0	0	.0	.0	.0
71-86	.0	.0	0	0	.0	.0	.0
87+	0	0	.0	0	0	.0	.0
TOT PCT	.7	4.9	1.9	0	.0	.0	7.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	3.1	*	.0	.0	.0	3.5
1-2	.3	5.5	4.5	.0	.0	.0	10.3
3-4	*	1.0	.8	.2	.0	.0	2.0
5-6	.0	*	.2	*	.0	.0	.3
7	.0	.0	.2	.1	.0	.0	.3
8-9	.0	.0	.1	.1	.0	.0	.2
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	9.6	5.9	.5	.0	.0	16.8

PERIOD: (3YEAR-ALL) 1963-1971

JULY

TABLE 18

AREA 0002 DA NANG
15.9N 108.9E

PCT FREQ BY WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	2.8	2	.0	.0	0	4.0
1-2	.4	7.5	3.7	.0	.0	.0	11.6
3-4	.0	.9	1.8	.3	.0	.0	3.1
5-6	0	*	.7	.2	*	.0	1.0
7	0	.0	.6	.5	.1	.0	1.1
8-9	0	0	.1	.4	.0	.0	.5
10-11	0	.0	*	.2	*	.0	.2
12	.0	.0	0	0	.0	.0	.0
13-16	.0	0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	11.3	7.2	1.5	.1	.0	21.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	3.4	.1	.0	.0	.0	4.4
1-2	.4	5.9	5.0	.0	.0	.0	11.3
3-4	.0	.7	2.2	1.1	.0	.0	4.0
5-6	.0	.1	.4	.5	*	.0	1.0
7	.0	.0	.1	.1	*	.0	.3
8-9	.0	.0	*	.1	.0	.0	.2
10-11	.0	.0	.0	.1	*	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	10.1	7.9	1.8	.1	.0	21.2

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.5	.2	.0	.0	.0	3.2
1-2	.3	2.9	3.4	.0	.0	.0	6.5
3-4	.0	.7	1.5	.8	.0	.0	3.0
5-6	.0	.1	.3	.2	.0	.0	.5
7	.0	.0	.1	.1	.1	.0	.2
8-9	.0	0	.0	*	.0	.0	*
10-11	.0	.0	.0	*	.1	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	0	.0	.0
26-32	.0	0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	0	.0	0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	6.1	5.4	1.1	.1	.0	13.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.6	*	.0	.0	.0	2.2
1-2	*	1.6	.9	.0	.0	.0	2.6
3-4	*	.3	.5	.3	.0	.0	1.1
5-6	.0	.0	.2	.1	.0	.0	.3
7	.0	*	.1	.1	*	.0	.2
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	3.5	1.8	.5	*	.0	6.5

PERIOD: (OVER-ALL) 1963-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	9.2	18.0	.9	.0	.0	.0	28.1	
1-2	1.9	28.4	20.7	.0	.0	.0	51.0	
3-4	.1	4.1	7.2	2.7	.0	.0	14.1	
5-6	*	.2	1.8	1.1	.1	.0	3.2	
7	.0	*	1.1	.8	.2	.0	2.2	
8-9	.0	.0	.4	.5	.0	.0	.9	
10-11	.0	.0	*	.4	.1	.0	.5	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								3142
TOT PCT	11.2	50.8	32.1	5.5	.4	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	9.4	41.0	13.3	2.5	1.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2423	2
6-7	.1	4.3	2.4	.7	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	315	3
8-9	.0	1.4	.9	.5	.6	.3	.3	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	142	5
10-11	.0	.4	.3	*	*	*	*	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	30	4
12-13	.0	.0	.1	*	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	5
>13	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	9
INDET	8.3	5.8	2.5	.4	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	634	2
TOTAL	633	1881	694	148	124	44	30	1	4	0	0	0	0	0	0	0	0	0	0	3559	3
PCT	17.8	52.9	19.5	4.2	3.5	1.2	.8	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY: 1939-1971
(OVER-ALL) 1858-1971

AREA 0002 DA NANG
15.8N 108.9E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.2	.1	.1	.0	.0	.0	.0	.3		.2	.0	.0	.0		4.7	
NE	.1	.1	*	.0	.0	.0	.0	.1		.1	.0	.1	.0		5.5	
E	.2	.1	*	.0	.0	.0	.0	.3		.4	.0	.1	.0		7.5	
SE	.1	*	*	.0	.0	.0	.0	.2		1.0	.0	.1	*		13.1	
S	.3	.1	.1	.0	.0	.0	.0	.5		.8	.0	*	.0		18.1	
SW	.5	.3	.1	.0	.0	.0	.0	.9		.9	*	*	*		21.0	
W	.8	.2	.1	.0	.0	.0	.0	1.1		.6	*	*	.0		12.7	
NW	.3	.2	*	.0	.0	.0	.0	.5		.2	.0	*	.0		4.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0	
CALM	*	.1	.0	.0	.0	.0	.0	.1		.5	.0	.1	.0		3.5	
TOT OBS	95	49	19	0	0	0	0		159	177	1	18	2		3571	3922
TOT PCT	2.4	1.2	.5	.0	.0	.0	.0	4.1		4.5	*	.5	.1		91.1	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	2.2	.8	.2	.0	.0	.0	.0	3.1		.1	.0	.7	.0		96.1	
06&09	2.3	1.1	.5	.0	.0	.0	.0	3.9		.2	.1	.9	.1		95.0	
12&15	2.3	1.4	.7	.0	.0	.0	.0	4.3		8.4	.0	.1	.1		87.1	
18&21	2.9	1.6	.5	.0	.0	.0	.0	4.9		9.3	.0	.1	.0		86.1	
TOT	95	49	19	0	0	0	0		159	177	1	18	2		3578	3929
PCT	2.4	1.2	.5	.0	.0	.0	.0	4.0		4.5	*	.5	.1		91.1	

AUGUST

PERIOD: (PRIMARY) 1939-1971
(OVER-ALL) 1858-1971

TABLE 3

AREA 0002 DA NANG
15.8N 108.9E

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.7	2.8	1.3	.1	.0	.0		4.9	8.5	2.5	3.6	8.8	10.0	5.6	3.2	2.0	1.9
NE	.7	3.6	1.0	*	.0	.0		5.3	7.6	1.5	5.4	10.8	13.4	5.5	2.3	1.6	1.4
E	.7	5.1	1.6	*	.0	.0		7.5	7.9	2.3	3.7	10.6	12.2	14.5	3.9	5.3	1.8
SE	1.2	8.3	4.1	.1	.0	.0		13.8	9.0	7.9	8.9	11.4	13.7	21.4	23.3	15.2	8.1
S	1.1	12.5	7.4	.6	.0	.0		21.6	9.8	17.7	20.4	15.5	20.4	22.4	24.4	28.1	27.8
SW	1.7	11.4	9.3	1.4	*	.0		23.8	10.8	36.6	26.1	21.2	16.4	14.6	18.7	24.8	31.6
W	1.4	7.4	4.0	.7	.0	.0		13.5	9.7	21.9	18.8	10.8	6.5	7.3	13.9	13.9	17.6
NW	.7	2.9	1.5	.2	.0	.0		5.3	9.2	6.0	6.2	7.3	5.5	4.3	4.1	4.6	3.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.3							4.3	.0								
TOT OBS	573	2473	1388	139	2	0	4575		9.2	345	322	831	409	786	317	769	396
TOT PCT	12.5	54.1	30.3	3.0	*	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.9	2.6	.3	*	.0		4.9	8.5	2.8	9.2	4.9	2.0
NE	2.4	2.8	.2	.0	.0		5.3	7.6	2.7	11.6	4.6	1.5
E	3.1	4.2	.2	.0	.0		7.5	7.9	2.8	11.1	11.4	4.1
SE	4.4	8.5	.8	.0	.0		13.8	9.0	8.2	12.2	21.9	12.8
S	6.2	12.2	2.2	.1	.0		21.6	9.8	18.5	17.1	23.0	28.0
SW	6.4	13.5	3.6	.3	.0		23.8	10.8	33.5	19.6	15.8	27.1
W	4.7	7.1	1.5	.2	.0		13.5	9.7	20.9	9.4	9.2	15.2
NW	2.0	2.8	.5	*	.0		5.3	9.2	6.0	6.7	4.3	4.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.3						4.3	.0				
TOT OBS	1619	2495	433	28	0	4575		9.2	4.5	3.1	4.9	4.9
TOT PCT	35.4	54.5	9.5	.6	.0		100.0		1067	1240	1103	1165
									100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1939-1971
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AREA 0002 DA NANG
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.5	11.0	51.6	28.1	4.7	.1	.0	9.1	100.0	1067
06&09	3.1	7.3	53.5	32.7	3.4	.1	.0	9.6	100.0	1240
12&15	4.9	6.4	56.6	30.1	2.0	.0	.0	9.0	100.0	1103
18&21	4.9	8.3	54.5	30.1	2.1	.0	.0	8.9	100.0	1165
TOT	197	376	2473	1388	139	2	0	9.2		4575
PCT	4.3	8.2	54.1	30.3	3.0	*	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.4	.6	2.6	2.0		6.2
NE	.9	.7	3.5	1.2		5.4
E	1.8	1.6	3.8	1.6		5.0
SE	3.3	2.6	5.9	2.4		4.8
S	3.6	2.8	6.3	4.1		5.1
SW	3.3	3.4	9.5	6.7		5.6
W	1.9	1.5	6.4	5.4		5.9
NW	.4	.7	2.6	2.2		6.2
VAR	.0	.0	.0	.0		.0
CALM	1.0	.4	1.8	1.3		5.4
TOT OBS	570	496	1466	930	3462	5.5
TOT PCT	16.5	14.3	42.3	26.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM >4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	*	.0	.0	.1	.6	.6	.1	.1	.2	.1	3.9	
NE	.0	.0	.0	*	.4	.6	.1	.1	.2	.1	4.7	
E	.0	.0	.0	.0	.5	.8	.1	*	.1	.2	7.0	
SE	.0	.0	.0	.1	.9	1.4	.2	.1	.5	.3	10.8	
S	.0	.0	.1	.2	1.2	1.4	.3	.3	.6	.6	12.1	
SW	.0	.0	.1	.1	1.3	2.1	.5	.5	.7	.8	16.8	
W	.0	.0	*	.3	1.6	1.0	.5	.2	.4	.6	10.6	
NW	.0	.0	*	.1	.6	.8	.1	.1	.2	.1	3.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.2	.3	*	*	.1	.1	3.6	
TOT OBS	1	0	6	28	253	309	69	49	105	103	2539	3462
TOT PCT	*	.0	.2	.8	7.3	8.9	2.0	1.4	3.0	3.0	73.3	100.0

AUGUST

PERIOD: (PRIMARY) 1939-1971
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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	4.5	5.9	6.0	6.0	6.0	6.0	6.0	6.0
= OR >5000	5.7	7.3	7.4	7.4	7.4	7.4	7.4	7.4
= OR >3500	7.5	9.3	9.4	9.4	9.4	9.4	9.4	9.4
= OR >2000	14.8	18.0	18.3	18.3	18.3	18.3	18.3	18.3
= OR >1000	19.6	24.9	25.6	25.6	25.6	25.6	25.6	25.6
= OR >600	19.9	25.5	26.3	26.4	26.4	26.4	26.4	26.4
= OR >300	20.0	25.7	26.5	26.6	26.6	26.6	26.6	26.6
= OR >150	20.0	25.7	26.5	26.6	26.6	26.6	26.6	26.6
= OR > 0	20.0	25.7	26.5	26.6	26.6	26.6	26.6	26.6
TOTAL	693	892	920	922	922	923	923	923

TOTAL NUMBER OF OBS: 3467

PCT FREQ NH <5/8: 73.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.8	21.3	27.6	11.1	6.6	6.9	9.9	4.2	5.5	.1	3521

AUGUST

PERIOD: (PRIMARY) 1939-1971
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	*	*	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	*	*	.0	.0	.0	.0	*	
	TOT %	.0	.0	.0	.0	*	*	*	.0	.0	.0	.1	
1/2<1	PCP	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
1<2	PCP	.0	.0	.0	.0	*	.1	*	.1	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	*	.1	*	.1	.0	.0	.2	
2<5	PCP	.1	.0	.1	*	.1	.1	.1	.1	.0	.0	.6	
	NO PCP	.0	.0	.0	.1	.1	.1	*	.1	.0	.1	.5	
	TOT %	.1	.0	.1	.1	.2	.2	.2	.2	.0	.1	1.0	
5<10	PCP	.2	.1	.1	.1	.2	.3	.6	.3	.0	.1	2.0	
	NO PCP	.8	.9	1.3	2.6	2.9	2.8	2.5	1.2	.0	.8	15.7	
	TOT %	.9	1.0	1.4	2.6	3.1	3.1	3.1	1.5	.0	.9	17.7	
10+	PCP	.1	.1	.1	1	.2	.4	.2	.1	.0	*	1.2	
	NO PCP	4.1	4.8	6.6	11.3	15.9	19.0	10.8	3.8	.0	3.2	79.8	
	TOT %	4.2	4.8	6.7	11.6	16.1	19.4	11.1	3.9	.0	3.2	81.0	
	TOT OBS												3922
	TOT PCT	5.2	5.9	8.2	14.3	19.4	22.8	14.4	5.6	.0	4.2	100.0	

PERIOD: (PRIMARY) 1939-1971
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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	0	.0	0	0	0	0	0	.0	0	.0	.0	
<1/2	4-10	0	.0	.0	.0	*	*	*	.0	0		*	
	11-21	.0	.0	.0	0	.0	*	*	.0	0		*	
	22+	.0	.0	0	0	.0	0	0	0	.0		.0	
	TOT %	.0	.0	.0	.0	*	*	*	.0	0	.0	.1	
	0-3	0	*	.0	.0	0	0	0	0	.0	.0	*	
1/2<1	4-10	0	.0	.0	0	.0	0	.0	0	0		.0	
	11-21	.0	.0	.0	.0	.0	.0	0	0	.0		.0	
	22+	0	0	.0	.0	0	.0	.0	.0	.0		.0	
	TOT %	.0	*	.0	0	.0	0	0	.0	.0	0	*	
	0-3	*	0	0	0	.0	.0	0	.0	0	0	*	
1<2	4-10	0	.0	.0	.0	*	*	*	*	0		.1	
	11-21	0	.0	.0	0	.0	*	.0	.0	.0		*	
	22+	.0	.0	.0	0	*	*	.0	*	0		*	
	TOT %	*	.0	0	0	*	.1	*	*	.0	.0	.2	
	0-3	0	0	.0	*	.0	*	.0	*	.0	*	.1	
2<5	4-10	.0	.0	*	*	.1	.1	.1	.1	0		.4	
	11-21	.1	*	*	1	.1	.1	.1	.1	0		.5	
	22+	*	.0	.0	.0	*	.1	*	.0	.0		.2	
	TOT %	1	*	*	.1	.3	.2	.2	.2	.0	*	1.2	
	0-3	.1	.1	.1	.3	.2	.2	.3	.2	.0	.8	2.2	
5<10	4-10	6	.6	.9	1.4	1.8	1.7	1.8	.8	.0		9.6	
	11-21	.2	.2	.4	.7	.9	.8	.7	.4	.0		4.2	
	22+	*	*	*	*	.1	.2	.2	.1	0		.6	
	TOT %	.9	1.0	1.4	2.5	3.0	2.9	2.9	1.5	.0	.8	16.7	
	0-3	.5	.5	.6	.8	.9	1.4	1.2	.5	.0	3.3	9.9	
10+	4-10	2.3	3.2	4.6	7.0	9.8	9.2	5.8	2.2	0		44.0	
	11-21	1.1	.9	1.3	3.5	5.8	8.3	3.4	1.2	.0		25.6	
	22+	*	.0	*	.1	.4	1.1	.4	.1	.0		2.2	
	TOT %	4.0	4.6	6.5	11.4	17.0	20.1	10.9	3.9	.0	3.3	81.7	
TOT OBS													4228
TOT PCT		5.0	5.6	8.0	14.0	20.3	23.4	14.0	5.6	.0	4.2	100.0	

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PERIOD: (PRIMARY) 1939-1971
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.3	.6	6.5	9.7	1.9	1.5	3.4	4.5	28.4	71.6	864
06&09	.0	.0	.2	.3	5.6	6.0	2.3	1.5	3.0	2.3	21.2	78.8	878
12&15	.1	.0	.1	.9	8.6	9.0	2.1	1.7	2.7	2.4	27.6	72.4	902
18&21	.0	.0	.0	1.4	8.1	10.6	1.6	.9	3.0	2.5	28.2	71.8	865
TOT	1	0	6	20	253	310	69	49	105	103	924	2585	3509
PCT	*	.0	.2	.8	7.2	8.8	2.0	1.4	3.0	2.9	26.3	73.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.1	.0	.1	.7	18.1	81.0	857
06&09	.0	1	.0	.7	16.2	82.9	868
12&15	0	.0	.0	1.6	19.0	79.4	894
18&21	1	.0	.1	1.1	21.4	77.3	851
TOT	2	1	2	35	648	2782	3470
PCT	1	*	.1	1.0	18.7	80.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.1	.5	1.9	27.0	71.2	857
06&09	.1	.3	1.4	20.3	78.3	868
12&15	.2	.3	2.5	25.7	71.8	894
18&21	.0	.1	2.2	26.7	71.1	851
TOT	4	11	69	864	2537	3470
PCT	.1	.3	2.0	24.9	73.1	100.0

PERIOD: (PRIMARY) 1939-1971
(OVER-ALL) 1858-1971

AREA 0002 DA NANG
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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.1	.3	.4	.1	.0	.0	29	.8
90/94	.0	.0	.1	1.3	2.8	1.3	.5	.2	214	6.1
85/89	.0	0	.0	.8	9.0	19.1	9.1	2.8	1422	40.9
80/84	.0	.0	.0	.1	1.3	12.4	26.9	7.2	1665	47.8
75/79	.0	.0	.0	.0	.0	.2	1.7	2.3	150	4.3
70/74	.0	.0	.0	.0	.0	.0	.0	*	1	*
TOTAL	0	0	5	84	468	1154	1333	437	3481	100.0
PCT	0	.0	.1	2.4	13.4	33.2	38.3	12.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.1	.1	.1	.1	.2	.1	.1	.1	.0	.0
.6	.7	.9	1.0	.4	1.3	.8	.3	.0	.2
2.7	3.3	4.6	6.0	6.2	9.1	5.6	2.1	.0	1.3
2.1	2.0	3.1	7.2	9.0	11.2	7.7	2.9	.0	2.8
.2	.2	.2	.2	.8	1.0	1.1	.3	.0	.3
.0	.0	.0	.0	.0	.0	*	.0	.0	.0
5.7	6.2	8.8	14.5	16.6	22.8	15.2	5.7	.0	4.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	96	91	88	84	79	78	75	83.9	1063
06&09	99	96	92	86	82	78	73	86.6	1226
12&15	95	89	88	84	80	78	75	84.0	1103
18&21	92	87	86	83	79	77	72	82.7	1160
TOT	99	93	90	84	80	77	72	84.3	4552

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	3.0	14.8	37.2	34.2	10.9	78	847
06&09	.0	6.6	28.7	41.8	17.1	5.9	73	869
12&15	.0	.3	6.1	31.6	49.2	12.8	81	699
18&21	.0	.5	4.6	22.0	52.4	20.6	83	871
TOT	0	89	469	1154	1337	437	79	3486

PERIOD: (PRIMARY) 1939-1971
(OVER-ALL) 1858-1971

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	*	.0	.0	5	.0	.1
11/13	.0	.0	.0	*	.2	.1	.1	36	.0	.8
9/10	.0	.0	.0	*	.1	.2	.3	27	.0	.7
7/8	.0	.0	.0	.1	.7	.9	.6	89	.0	2.3
6	.0	.0	.0	.1	.7	1.1	.1	75	.0	2.0
5	.0	.0	.0	.3	1.5	1.8	.2	146	.0	3.8
4	.0	.0	*	.9	2.5	1.1	.0	174	.0	4.6
3	.0	0	.0	.8	4.1	1.1	.0	230	.0	6.0
2	.0	.0	*	3.9	5.2	.7	.0	375	.0	9.8
1	.0	.0	.0	3.7	5.7	.3	.0	367	.0	9.6
0	.0	.0	.3	8.4	6.0	.3	.0	574	.0	15.0
-1	.0	.0	.3	6.3	4.0	.1	.0	407	.0	10.7
-2	.0	*	.8	7.8	2.0	.1	.0	409	.0	10.7
-3	.0	.0	.9	4.4	1.5	.0	.0	260	.0	6.8
-4	.0	.1	1.4	4.3	.3	.0	.0	233	.0	6.1
-5	.0	.1	.9	3.1	.5	*	.0	171	.0	4.5
-6	.0	.1	1.3	1.0	.2	.0	.0	94	.0	2.5
-7/-8	*	.2	1.3	1.0	.1	.0	.0	99	.0	2.6
-9/-10	.0	*	.6	.3	.0	.0	.0	36	.0	.9
-11/-13	.0	.1	.1	.0	.0	.0	.0	8	*	.2
TOTAL								3817		
PCT	*	.5	7.9	46.4	35.4	7.7	1.4	100.0	*	99.7

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

AREA 0002 DA NANG
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.5	*	.1	.0	0	1.9
1-2	.2	2.0	1.3	0	.0	.0	3.5
3-4	.0	*	3	*	.0	.0	.4
5-6	.0	.0	0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	0	.0	.0	.0	.0	.0
10-11	.0	0	.0	0	.0	.0	.0
12	.0	.0	0	0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	0	.0	.0	.0	.0
20-22	.0	0	.0	.0	.0	.0	.0
23-25	.0	.0	0	.0	.0	0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	.0	0	.0	.0	.0	.0	.0
TOT PCT	6	3.5	1.6	*	.0	.0	5.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.3	.1	.0	.0	.0	2.9
1-2	.2	2.2	.7	.0	.0	.0	3.0
3-4	.0	*	.1	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	4.5	.8	.0	.0	.0	6.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.7	.1	.0	.0	.0	3.5
1-2	.2	4.1	.7	.0	.0	.0	6.0
3-4	.0	.1	.3	.0	.0	.0	.4
5-6	.0	0	.0	.0	.0	.0	.0
7	.0	.0	.0	0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	0	.0	.0	.0	.0	.0	.0
61-70	0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	6.9	2.0	.0	.0	.0	9.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	2.7	.1	.0	.0	.0	3.6
1-2	.5	6.0	2.2	.0	.0	.0	8.7
3-4	.0	.5	1.3	*	.0	.0	1.8
5-6	.0	.1	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	9.3	3.7	*	.0	.0	14.2

PERIOD: (OVER-ALL) 1963-1971

AUGUST

TABLE 18

AREA 0002 DA NANG 15.8N 108.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	2.3	.1	.0	.0	.0	2.8
1-2	.4	6.2	2.2	.0	.0	.0	8.8
3-4	.0	.6	1.4	.2	.0	.0	2.2
5-6	.0	*	.4	.1	.0	.0	.5
7	.0	.0	.2	*	.0	.0	.2
8-9	.0	.0	.0	*	.0	.0	*
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	9.1	4.3	.3	.0	.0	14.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	3.0	.1	.0	.0	.0	4.2
1-2	.6	7.5	6.0	.0	.0	.0	14.1
3-4	.0	.6	2.8	1.0	.0	.0	4.4
5-6	.0	.4	.4	.1	.0	.0	.9
7	.0	.0	.1	.1	.0	.0	.2
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	11.4	9.4	1.3	.0	.0	23.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	4.0	.1	.0	.0	.0	5.3
1-2	.4	4.6	3.3	.0	.0	.0	8.2
3-4	0	.4	1.3	.6	.0	.0	2.3
5-6	0	*	.1	.2	.0	.0	.3
7	0	.0	*	*	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	9.0	4.8	.8	.0	.0	16.2

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.2	.0	.0	.0	.0	1.7
1-2	.2	1.9	1.3	.0	.0	.0	3.4
3-4	*	.1	.3	.1	.0	.0	.6
5-6	*	.0	*	.0	.0	.0	.1
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	3.3	1.7	.1	.0	.0	5.9

PERIOD: (OVER-ALL) 1963-1971

AREA 0002 DA NANG
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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	10.4	19.4	.5	.0	.0	.0	30.4	
1-2	2.7	34.0	18.4	.0	.0	.0	55.1	
3-4	*	2.3	7.8	2.0	.0	.0	12.1	
5-6	*	.5	.9	.4	.0	.0	1.8	
7	.0	.0	.4	.2	.0	.0	.5	
8-9	.0	.0	.0	.1	.0	.0	.1	
10-11	.0	.0	*	.0	.0	.0	*	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	0	.0	
								2505
TOT PCT	13.2	56.2	28.0	2.6	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	7.3	46.1	13.6	2.1	.4	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1922	2
6-7	.1	3.6	2.8	.8	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	217	3
8-9	*	1.1	1.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	70	3
10-11	.0	.2	.1	*	.1	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	4
12-13	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	13.0	3.2	2.5	.3	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	529	1
TOTAL	562	1494	556	97	28	11	3	2	0	0	0	0	0	0	0	0	0	0	0	2753	2
PCT	20.4	54.3	20.2	3.5	1.0	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1954-1971
(OVER-ALL) 1867-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.4	.5	.1	.0	.0	.0	.0	.9		.6	.0	.1		.0	9.7	
NE	.7	.3	.1	.0	.0	.0	.0	1.0		.3	*	.2		.0	8.4	
E	.2	.3	*	.0	.0	.0	.0	.6		.5	.0	.1		.0	7.4	
SE	.4	.3	.1	.0	.0	.0	.0	.8		.7	.0	*		.0	10.2	
S	.6	.4	.2	.0	.0	.0	.0	1.2		1.0	.0	*		.0	11.8	
SW	1.2	.3	.2	.0	.0	.0	.0	1.7		.7	.0	.2		.0	10.4	
W	1.3	.6	.4	.0	.0	.0	.0	2.3		.9	.0	.2		*	11.5	
NW	.8	.8	.1	.0	.0	.0	.0	1.6		.4	*	.1		*	9.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	.1	.3	.0	.0	.0	.0	.0	.4		.5	.0	*		.0	4.0	
TOT OBS	255	162	58	0	0	0	0		464	242	2	41		3	3652	4395
TOT PCT	5.8	3.7	1.3	.0	.0	.0	.0	10.6		5.5	*	.9		.1	83.1	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	6.0	2.9	1.0	.0	.0	.0	.0	9.6		.5	.1	2.3		.0	87.6	
06&09	4.8	3.9	.8	.0	.0	.0	.0	9.3		.5	.1	1.0		.1	89.3	
12&15	5.5	3.3	1.5	.0	.0	.0	.0	10.2		11.5	.0	.3		.1	78.2	
18&21	7.1	4.6	1.9	.0	.0	.0	.0	13.2		9.2	.0	.2		.1	77.6	
TOT	25?	162	58	0	0	0	0		466	243	2	41		3	3657	4402
PCT	5.8	3.7	1.3	.0	.0	.0	.0	10.6		5.5	*	.9		.1	83.1	

SEPTEMBER

PERIOD: (PRIMARY) 1954-1971
(OVER-ALL) 1867-1971

AREA 0002 DA NANG
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TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.1	5.4	3.8	.5	*	*		10.9	10.3	7.2	9.8	17.5	19.6	12.0	7.3	7.0	5.6
NE	1.0	5.9	2.6	.3	*	*		9.8	9.1	6.0	6.7	13.8	16.1	14.3	6.4	7.2	4.0
E	.8	5.5	2.2	.2	*	.0		8.8	8.9	4.8	3.6	9.5	11.3	15.1	9.3	7.1	6.2
SE	1.6	7.0	2.9	.6	*	*		12.0	9.1	9.5	7.9	9.0	10.8	15.0	18.9	14.3	11.7
S	1.6	8.0	4.0	1.2	.1	.0		14.9	10.0	15.3	13.1	9.4	12.1	13.2	19.3	21.2	17.0
SW	1.4	7.3	3.5	.7	.2	.0		13.1	9.8	18.2	15.1	8.5	6.7	9.0	13.0	16.2	18.7
W	1.5	7.5	3.8	.9	.1	.0		13.9	10.0	23.2	15.2	11.2	9.0	8.3	11.6	14.4	17.1
NW	1.0	6.5	3.2	.6	.1	.0		11.4	10.0	11.9	17.5	16.0	9.4	10.2	8.1	7.9	10.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.2							5.2	.0	3.9	11.2	5.0	5.0	2.9	6.1	4.6	9.3
TOT OBS	772	2689	1315	249	31	3	5059		9.2	873	312	905	401	922	314	911	421
TOT PCT	15.3	53.2	26.0	4.9	.6	.1		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.3	6.1	1.4	.1	*		10.9	10.3	7.9	18.1	10.8	6.6
NE	3.8	5.0	.9	.1	*		9.8	9.1	6.1	14.5	12.3	6.2
E	3.3	4.9	.5	.1	.0		8.8	8.9	4.5	10.1	13.6	6.8
SE	4.7	6.2	.9	.2	*		12.0	9.1	9.1	9.5	16.0	13.5
S	5.5	7.3	1.8	.4	.0		14.9	10.0	14.7	10.3	14.7	19.9
SW	4.8	6.7	1.2	.4	*		13.1	9.8	17.4	8.0	10.0	17.0
W	5.4	6.2	1.9	.3	*		13.9	10.0	21.1	10.5	9.2	15.2
NW	3.6	6.5	1.2	.2	*		11.4	10.0	13.4	14.0	9.7	8.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5.2						5.2	.0	5.8	5.0	3.7	6.1
TOT OBS	1996	2470	493	90	10	5059		9.2	1185	1306	1236	1332
TOT PCT	39.5	48.8	9.7	1.8	.2		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1954-1971
(OVER-ALL) 1867-1971

AREA 0002 DA NANG
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	5.8	12.0	54.2	23.0	4.6	.4	.0	8.6	100.0	1185
06&09	5.0	9.0	51.8	28.0	5.6	.5	.2	9.6	100.0	1306
12&15	3.7	8.9	52.5	29.0	4.9	1.0	.1	9.8	100.0	1236
18&21	6.1	10.7	54.1	23.9	4.7	.6	.0	8.8	100.0	1332
TOT	261	511	2689	1315	249	31	3	9.2		5059
PCT	5.2	10.1	53.2	26.0	4.9	.6	.1		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.1	1.9	4.5	3.3		5.4
NE	1.8	2.1	3.7	2.5		5.2
E	1.6	1.6	3.6	1.8		5.1
SE	2.2	1.9	4.4	2.9		5.3
S	2.4	2.0	4.9	3.9		5.4
SW	2.2	1.8	4.4	4.4		5.6
W	2.0	2.0	5.3	5.9		5.9
NW	1.3	1.6	4.4	4.5		5.9
VAR	.0	.0	.0	.0		.0
CALM	.7	.8	1.9	1.6		5.7
TOT OBS	651	623	1484	1233	3991	5.5
TOT PCT	16.3	15.6	37.2	30.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
*	.0	.1	.2	1.3	2.0	.2	.2	.2	.1	7.4	
.0	.0	.3	.3	.9	1.4	.1	.1	.3	*	6.7	
.0	.0	*	.3	.9	.9	.1	.3	.1	.1	6.1	
.0	*	.1	.1	1.4	1.2	.3	.3	.3	.2	7.5	
.0	.0	.1	.3	2.0	1.4	.3	.4	.3	.3	8.1	
*	.0	.2	.3	1.7	1.6	.2	.4	.3	.3	7.9	
.0	.1	.4	.5	2.0	1.4	.2	.6	.3	.5	9.3	
.1	*	.1	.3	2.0	1.7	.3	.4	.5	.1	6.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	*	.0	.4	.4	*	.2	.1	.1	3.8	
5	5	54	94	506	475	65	110	95	63	2519	3991
.1	.1	1.4	2.4	12.7	11.9	1.6	2.8	2.4	1.6	63.1	100.0

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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (MH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >SOYO	= OR >0
= OR >6500	2.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0
= OR >5000	4.1	6.6	6.7	6.7	6.7	6.7	6.7	6.7
= OR >3500	5.2	8.2	8.3	8.3	8.3	8.3	8.3	8.3
= OR >2000	13.8	19.7	20.1	20.2	20.2	20.2	20.2	20.2
= OR >1000	21.5	31.5	32.6	32.8	32.9	32.9	32.9	32.9
= OR >600	22.0	33.2	34.8	35.1	35.2	35.3	35.3	35.3
= OR >300	22.2	33.8	35.9	35.4	36.5	36.6	36.6	36.6
= OR >150	22.2	33.9	36.0	36.5	36.7	36.7	36.8	36.8
= OR > 0	22.3	34.0	36.1	36.6	36.8	36.8	36.9	36.9
TOTAL	890	1358	1443	1461	1468	1470	1473	1473

TOTAL NUMBER OF OBS: 3994

PCT FREQ MH <5/8: 63.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
5.3	13.8	27.3	11.0	5.7	7.0	11.2	5.0	13.5	.2	4051

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.1	*	*	.0	.0	*	.1	*	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	*	*	.0	.0	*	.1	*	.0	.0	.3	
1/2<1	PCP	.0	*	*	*	.0	*	.1	.1	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	*	*	.0	*	.0	.0	*	
	TOT %	.0	*	*	*	*	.1	.1	.1	.0	.0	.3	
1<2	PCP	*	*	*	.0	*	.1	.2	.1	.0	.0	.5	
	NO PCP	*	*	.0	.0	*	*	.0	.0	.0	*	.1	
	TOT %	*	.1	*	.0	*	.1	.2	.1	.0	*	.5	
2<5	PCP	.1	.3	.1	.1	.3	.3	.5	.2	.0	.1	2.0	
	NO PCP	.1	.1	.1	*	*	.0	.1	.1	.0	*	.6	
	TOT %	.3	.5	.2	.1	.3	.3	.6	.3	.0	.1	2.6	
5<10	PCP	.6	.5	.2	.5	.7	.8	1.0	1.0	.0	.2	5.6	
	NO PCP	2.0	1.7	1.6	3.0	2.7	2.3	3.0	2.3	.0	1.5	20.1	
	TOT %	2.6	2.2	1.8	3.5	3.5	3.1	4.0	3.3	.0	1.8	25.7	
10+	PCP	.1	.1	.2	.2	.1	.4	.4	.3	.0	*	1.9	
	NO PCP	8.3	7.1	6.3	7.9	10.0	9.0	9.5	7.6	.0	2.9	68.6	
	TOT %	8.4	7.2	6.5	8.1	10.1	9.3	10.0	7.9	.0	2.9	70.5	
	TOT OBS												4395
	TOT PCT	11.3	10.0	8.6	11.7	13.9	12.9	14.9	11.7	.0	4.9	100.0	

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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	*	.0	.0	.0	.0	.0	*	.0	.0		*	
	11-21	.0	*	*	.0	.0	.0	.0	*	.0		.1	
	22+	*	.0	.0	.0	.0	*	*	*	.0		.1	
	TOT %	.1	*	*	.0	.0	*	.1	*	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	*	*	*	*	.0	*	.0		.1	
	11-21	.0	*	.0	.0	.0	.0	.0	*	.0		.1	
	22+	.0	.0	*	.0	.0	*	.1	*	.0		.1	
	TOT %	.0	*	*	*	*	.1	.1	.1	.0	.0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
1<2	4-10	*	*	.0	.0	.0	.0	.0	*	.0		.1	
	11-21	.0	*	*	.0	*	*	.1	*	.0		.2	
	22+	.0	*	.0	.0	*	.1	.1	*	.0		.3	
	TOT %	*	*	*	.0	*	.1	.2	.1	.0	*	.6	
	0-3	*	*	*	*	*	*	*	*	.0	.1	.3	
2<5	4-10	.1	.1	.1	.1	.1	.1	.1	.2	.0		.8	
	11-21	.1	.2	.1	.1	*	.1	.3	.1	.0		1.0	
	22+	*	.1	*	*	.2	.2	.1	.1	.0		.7	
	TOT %	.2	.5	.2	.1	.3	.3	.6	.4	.0	.1	2.8	
	0-3	.2	.2	.3	.4	.4	.3	.3	.2	.0	1.7	4.0	
5<10	4-10	1.2	1.2	1.1	2.0	1.6	1.6	2.0	1.5	.0		12.2	
	11-21	.8	.5	.4	.7	.9	.7	1.1	1.2	.0		6.3	
	22+	.2	.1	1	.2	.5	.3	.5	.2	.0		2.1	
	TOT %	2.5	2.1	1.8	3.4	3.3	2.9	3.8	3.1	.0	1.7	24.6	
	0-3	8	.7	.5	1.2	1.1	1.0	1.2	.7	.0	3.2	10.5	
10+	4-10	4.2	4.6	4.3	4.8	6.2	5.5	5.8	4.9	.0		40.3	
	11-21	3.0	1.7	1.7	2.0	3.1	2.7	2.4	1.9	.0		18.5	
	22+	.3	.1	.1	.4	.6	.2	.3	.3	.0		2.2	
	TOT %	8.2	7.1	6.6	8.4	10.9	9.4	9.8	7.9	.0	3.2	71.5	
	TOT OBS												4682
	TOT PCT	11.0	9.8	8.7	11.9	14.6	12.8	14.5	11.5	.0	5.1	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >4/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00&03	.2	.1	1.8	2.9	11.2	11.7	1.5	3.2	2.8	2.0	37.3	62.7	1007
06&09	.0	.2	1.6	2.0	10.2	12.1	1.3	2.5	3.2	1.2	34.3	65.7	993
12&15	.0	.0	1.0	2.2	13.5	11.0	1.7	2.6	1.9	1.3	35.3	64.7	1035
18&21	.3	.2	1.0	2.3	15.3	12.4	1.9	2.6	1.5	1.8	39.3	60.7	994
TOT	5	5	54	95	506	475	65	110	95	63	1473	2556	4029
PCT	.1	.1	1.3	2.4	12.6	11.8	1.6	2.7	2.4	1.6	36.6	63.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	1	.1	.5	3.4	25.3	70.6	1004
06&09	4	.4	.6	1.9	24.1	72.6	980
12&15	.2	.4	.6	2.6	26.9	69.3	1029
18&21	.2	1	.6	2.7	29.4	67.0	990
TOT	9	10	23	107	1058	2796	4003
PCT	.2	.2	6	2.7	26.4	69.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00&03	.4	2.4	7.1	31.7	61.3	1004
06&09	.0	2.2	5.7	29.5	64.8	980
12&15	.3	1.7	5.7	30.5	63.8	1029
18&21	.7	2.0	6.5	34.2	59.3	990
TOT	14	83	250	1260	2493	4003
PCT	.3	2.1	6.2	31.5	62.3	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.2	.1	*	.0	13	.3
90/94	.0	*	*	.4	2.1	1.1	.2	*	160	4.0
85/89	.0	.0	*	.9	4.8	13.4	5.0	.6	986	24.6
80/84	.0	.0	.0	.5	2.2	14.7	34.2	7.3	2358	58.9
75/79	.0	.0	.0	.0	.1	.8	4.3	6.8	477	11.9
70/74	.0	.0	.0	.0	.0	.0	.0	.2	7	.2
TOTAL	0	1	2	72	375	1207	1747	597	4001	100.0
PCT	.0	*	*	1.8	9.4	30.2	43.7	14.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAC	CALM
*	*	.1	*	.0	*	.1	.1	.0	.0
.6	.7	.4	.4	.3	.4	.4	.4	.0	.3
3.7	2.9	2.3	3.6	3.1	2.6	2.1	2.9	.0	1.4
6.4	5.3	4.9	6.7	8.3	8.0	9.8	6.7	.0	2.7
1.0	1.0	.8	.5	1.3	2.1	3.0	1.7	.0	.5
*	.0	.0	.0	*	.0	.1	*	.0	*
11.8	10.0	8.4	11.3	13.1	13.1	15.5	11.8	.0	5.0

TABLE 15

MEANS.EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	96	91	87	83	78	75	74	82.6	1184
06&09	97	94	91	85	79	76	74	85.2	1298
12&15	93	88	86	83	78	76	74	82.7	1234
18&21	87	86	85	82	78	75	73	81.6	1327
TOT	97	92	89	83	78	76	73	83.0	5043

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.6	8.2	28.9	46.9	14.4	81	885
06&09	.0	3.9	21.8	46.0	22.3	6.0	75	990
12&15	.0	1.6	5.2	26.5	51.0	15.8	82	977
18&21	.0	.5	2.8	20.1	53.6	23.1	84	1027
TOT	0	75	375	1211	1749	598	81	1014
								4008

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
11/13	.0	.0	.0	*	.2	.2	16	.0	.4
9/10	.0	.0	*	*	.8	.3	53	.0	1.2
7/8	.0	.0	.1	.9	.9	.3	97	.0	2.3
6	.0	.0	*	.8	.7	*	67	.0	1.6
5	.0	*	.4	1.6	.8	.1	122	.0	2.9
4	.0	*	1.3	1.5	.5	.0	139	.0	3.3
3	.0	*	1.8	1.7	.5	*	175	.0	4.1
2	.0	.2	3.9	2.4	.4	.0	287	.0	6.8
1	.0	.2	3.5	3.3	.2	.0	308	.0	7.3
0	.0	1.4	7.7	2.8	*	.0	506	.0	12.0
-1	.0	1.0	6.8	2.9	*	.0	453	.0	10.7
-2	.0	1.9	8.7	1.6	.0	.0	515	.0	12.2
-3	*	2.2	6.6	1.2	*	.0	425	.0	10.0
-4	.2	2.8	4.9	.5	.0	.0	357	.0	8.4
-5	*	2.5	2.8	.4	.0	.0	245	.0	5.8
-6	.4	3.1	1.5	.1	.0	.0	214	*	5.0
-7/-8	.4	2.3	1.3	*	.0	.0	172	*	4.0
-9/-10	.3	.9	.2	.0	.0	.0	64	.0	1.5
-11/-13	.2	.2	.0	.0	.0	.0	16	.0	.4
TOTAL							4231		
PCT	1.7	18.9	51.5	21.6	5.2	1.0	100.0	*	99.9

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TABLE 18

AREA 0002 OR NANG
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.5	.1	.0	.0	.0	3.3
1-2	.4	3.3	3.1	.0	.0	.0	6.8
3-4	.0	.4	1.1	.3	.0	.0	1.7
5-6	.0	.0	.2	*	.0	.0	.2
7	.0	0	.1	*	.0	.0	.1
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	0	.0	.0	.0	.0	.0
61-70	0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	6.2	4.6	.4	.0	0	12.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.2	*	.0	.0	.0	2.7
1-2	.4	3.5	1.0	.0	.0	.0	4.9
3-4	.0	.2	1.1	.1	.0	.0	1.5
5-6	.0	.1	.2	*	.0	.0	.3
7	.0	*	*	.1	.0	.0	.1
8-9	.0	.0	.0	*	.0	.0	*
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	*	.0	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	6.0	2.5	.3	.0	.0	9.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	2.2	*	.0	.0	.0	2.6
1-2	.1	2.8	1.6	.0	.0	.0	4.5
3-4	*	.5	.3	.1	.0	.0	.9
5-6	0	*	*	.0	.0	0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	0	0	.0	.0	.0
10-11	.0	.0	.0	.0	0	.0	0
12	.0	0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	0	0	.0
17-19	0	.0	.0	.0	.0	.0	.0
20-22	0	.0	.0	.0	.0	.0	0
23-25	0	.0	.0	.0	.0	.0	0
26-32	0	.0	.0	.0	0	.0	.0
33-40	.0	.0	0	.0	0	.0	.0
41-48	0	0	.0	0	.0	.0	0
49-60	0	.0	.0	0	0	.0	.0
61-70	.0	.0	.0	0	.0	0	0
71-86	.0	0	.0	.0	.0	.0	.0
87+	0	.0	.0	0	.0	.0	.0
TOT PCT	6	5.4	2.0	.1	0	.0	8.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	9	3.3	*	.0	.0	.0	4.2
1-2	.5	2.8	1.5	.0	.0	.0	4.9
3-4	.1	5	4	3	.0	.0	1.4
5-6	.0	0	.1	.2	.0	.0	.3
7	.0	0	.1	*	.0	.0	.1
8-9	0	0	*	*	*	.0	.1
10-11	0	0	*	*	*	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	0	.0	.0	.0	.0
33-40	0	0	0	.0	.0	.0	.0
41-48	0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	0	.0	.0	.0	.0	.0
87+	.0	0	.0	.0	.0	.0	.0
TOT PCT	1.6	6.6	2.2	.6	.1	.0	11.1

PERIOD: (OVER-ALL) :963-1971

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TABLE 18

AREA 0002 DA NANG
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	2.8	*	.0	.0	0	3.7
1-2	.3	3.5	1.6	.0	.0	.0	5.4
3-4	*	.5	1.2	*	.0	.0	2.5
5-6	.0	*	.4	.1	.0	.0	.5
7	0	.0	.2	.2	.0	.0	.5
8-9	0	0	*	*	.0	0	.1
10-11	.0	.0	0	.2	.0	.0	.2
12	0	.0	0	*	*	.0	.1
13-16	0	0	0	.0	0	0	.0
17-19	0	0	.0	0	.0	.0	.0
20-22	0	.0	.0	0	0	.0	.0
23-25	0	0	.0	.0	.0	.0	.0
26-32	0	.0	.0	0	.0	.0	.0
33-40	0	0	.0	.0	.0	.0	.0
41-48	.0	0	.0	0	.0	.0	.0
49-60	.0	0	.0	.0	.0	.0	.0
61-70	0	0	.0	.0	.0	.0	.0
71-86	0	.0	0	.0	0	0	.0
87+	0	0	.0	.0	.0	.0	.0
TOT PCT	1.2	6.9	3.4	1.3	*	.0	12.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	3.4	*	.0	.0	.0	4.2
1-2	.4	3.2	2.5	.0	.0	.0	6.1
3-4	.0	.2	.7	.3	.0	.0	1.2
5-6	.0	*	.2	.1	*	.0	.4
7	.0	.0	*	.2	.0	.0	.2
8-9	.0	.0	.0	*	.1	.0	.2
10-11	.0	.0	.0	.1	.1	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	0
61-70	.0	.0	.0	.0	.0	.0	0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	6.8	3.6	.8	.2	.0	12.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.3	4.0	.1	.0	.0	.0	5.9
1-2	.1	4.4	2.3	.0	.0	.0	6.8
3-4	0	.2	1.7	.7	.0	.0	2.7
5-6	0	*	.2	.2	.1	.0	.4
7	0	.1	*	.2	.0	.0	.3
8-9	.0	0	.1	.1	*	.0	.2
10-11	0	0	.0	*	*	0	.1
12	0	0	.0	*	.0	.0	*
13-16	0	0	0	*	.0	0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	0	0	.0	.0	0	.0	.0
23-25	.0	.0	.0	.0	.0	0	.0
26-32	0	.0	.0	.0	.0	.0	.0
33-40	0	.0	.0	.0	0	.0	.0
41-48	0	.0	0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	0	0	0	0	.0	0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	0	0	0	0	0	.0	.0
TOT PCT	1.4	3.2	4.4	1.3	.1	.0	16.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.9	.1	.0	.0	.0	3.7
1-2	.3	4.0	2.3	.0	.0	.0	6.7
3-4	.0	.4	.8	.3	.0	.0	1.5
5-6	.0	*	.3	*	*	.0	.4
7	.0	*	*	.1	.0	.0	.1
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	*	.0	.0	.0
33-40	.0	.0	.0	*	.0	.0	.0
41-48	.0	.0	.0	0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	7.5	3.5	.5	*	.0	12.5

SEPTEMBER

PERIOD: (OVER-ALL) 1963-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	11.7	23.5	.4	.0	.0	.0	35.6	
1-2	2.8	27.0	15.8	.0	.0	.0	45.6	
3-4	.2	2.9	7.2	2.8	.0	.0	13.1	
5-6	.0	.2	1.7	.7	.1	.0	2.7	
7	.0	.1	.5	.8	.0	.0	1.5	
8-9	.0	.0	.2	.3	.2	.0	.7	
10-11	.0	.0	.1	.4	.1	.0	.6	
12	.0	.0	.0	.1	*	.0	.1	
13-16	.0	.0	*	.1	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								2893
TOT PCT	14.7	53.8	25.8	5.3	.4	.0	100.0	

PERIOD (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	7.4	35.9	13.3	1.9	1.5	.2	.2	.1	*	.0	.0	.0	.0	.0	.0	.0	0	.0	.0	1958	2
6-7	.2	3.4	3.9	2.3	1.C	.4	.5	*	.4	.0	.0	.0	.0	.0	0	.0	.0	.0	.0	388	4
8-9	.0	.7	1.2	.9	.8	.3	.3	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	140	5
10-11	0	.6	.7	.5	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	83	4
12-13	.0	.0	.6	.1	*	.0	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26	4
>13	.0	.0	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
INDET	11.5	5.3	1.9	.6	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	643	1
TOTAL	619	1487	702	202	130	37	38	10	15	0	0	0	0	0	0	0	0	0	0	3240	2
PCT	19.1	45.9	21.7	6.2	4.0	1.1	1.2	.3	.5	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1951-1971
(OVER-ALL) 1860-1971

AREA 0002 DA NANG
15.8N 108.9E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			PRECIPITATION TYPE								OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	1.7	.6	.3	.0	.0	.0	.0	2.5		*	.0	.3		.0	13.8	
NE	1.4	1.1	.3	.0	.0	.0	.0	2.7		.2	*	.4		*	22.8	
E	.9	1.1	3	.0	.0	.0	.0	2.3		.3	*	.3		.0	17.1	
SE	.3	.4	*	.0	.0	.0	.0	.8		.3	.0	.1		.0	7.5	
S	.3	.2	*	.0	.0	.0	.0	.5		.1	*	.1		.0	3.8	
SW	.3	.2	*	.0	.0	.0	.0	.5		.1	*	.1		.0	3.2	
W	.6	.4	.1	.0	.0	.0	.0	1.2		*	*	.2		.0	5.4	
NW	.9	.4	.2	.0	.0	.0	.0	1.5		.1	*	.2		*	8.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	.1	*	*	.0	.0	.0	.0	.1		.1	.0	.1		.0	2.5	
TOT OBS	310	216	62	0	0	0	0		580	61	7	89		2	4053	4789
TOT PCT	6.5	4.5	1.3	.0	.0	.0	.0	12.1		1.3	.1	1.9		*	84.6	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			PRECIPITATION TYPE								OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	7.1	4.7	1.8	.3	.0	.0	.0	13.4		.2	.2	1.6		.0	84.8	
06&09	6.9	4.4	1.0	.0	.0	.0	.0	12.2		.1	.1	3.0		.0	84.6	
12&15	5.9	3.7	1.1	.0	.0	.0	.0	10.6		2.8	.0	1.6		.0	85.0	
18&21	5.9	5.2	1.2	.0	.0	.0	.0	12.2		2.0	.3	1.2		.2	84.3	
TOT	310	216	62	0	0	0	0		580	61	7	89		2	4069	4805
PCT	6.5	4.5	1.3	.0	.0	.0	.0	12.1		1.3	.1	1.9		*	84.7	

OCTOBER

PERIOD: (PRIMARY) 1951-1971
(OVER-ALL) 1860-1971

TABLE 3

AREA 0002 DA NANG
15.8N 108.9E

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.7	6.1	7.6	2.2	.1	.0		16.8	13.7	15.2	15.8	15.8	20.4	19.2	15.2	14.1	12.8
NE	.8	9.6	13.3	3.3	.3	.0		27.3	13.8	24.0	25.2	26.9	33.7	29.6	24.8	27.9	26.8
E	.9	8.9	8.8	1.5	*	.0		20.1	12.0	17.2	15.5	18.6	21.5	23.6	24.5	21.1	19.0
SE	.6	4.2	3.6	.3	.0	.0		8.7	10.7	7.8	10.5	8.2	6.1	9.6	11.6	8.7	8.6
S	.5	2.5	1.1	.2	*	.0		4.3	9.5	5.5	4.3	3.8	3.2	2.7	4.7	5.4	4.7
SW	.6	2.3	.7	.1	*	.0		3.7	8.0	6.0	6.8	2.6	1.4	1.9	2.6	3.5	5.5
W	.6	3.4	2.0	.2	*	.0		6.2	9.8	8.9	8.5	4.7	2.0	2.9	6.5	7.7	9.8
NW	.6	4.0	4.2	1.1	.1	*		10.1	13.0	12.9	10.1	12.4	10.0	7.6	7.7	8.1	10.4
VAR	0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.8							2.8	.0	2.6	3.3	2.9	1.7	2.8	2.4	3.5	2.5
TOT OBS	437	2242	2259	496	37	1	5472		12.0	965	337	994	404	990	332	1004	446
TOT PCT	8.0	41.0	41.3	9.1	.7	*		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	2.8	8.4	4.9	.6	.1		16.8	13.7	15.3	20.0	18.2	13.7
NE	3.9	14.5	7.8	1.0	.1		27.3	13.8	24.3	28.9	28.4	27.5
E	3.9	11.9	4.1	.3	.0		20.1	12.0	16.8	19.5	23.8	20.4
SE	2.3	5.1	1.3	*	.0		8.7	10.7	8.5	7.6	10.1	8.6
S	1.7	2.1	.4	.2	.0		4.3	9.5	5.2	3.6	3.2	5.2
SW	1.9	1.5	.2	.1	.0		3.7	8.0	6.2	2.3	2.1	4.1
W	2.1	3.3	.7	.1	.0		6.2	9.8	8.8	3.9	3.8	8.3
NW	2.1	5.1	2.4	.4	*		10.1	13.0	12.2	11.7	7.6	8.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.8						2.8	.0	2.8	2.6	2.7	3.2
TOT OBS	1278	2840	1197	148	9	5472		12.0	1302	1398	1322	1450
TOT PCT	23.4	51.9	21.9	2.7	.2		100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1951-1971
(OVER-ALL) 1860-1971

AREA 0002 DA NANG
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.8	7.1	41.5	39.0	9.1	.5	.0	11.8	100.0	1302
06&09	2.6	5.2	40.3	42.4	8.9	.6	.1	12.1	100.0	1398
12&15	2.7	3.7	39.4	43.6	9.9	.6	.0	12.4	100.0	1322
18&21	3.2	4.8	42.6	40.1	8.4	1.0	.0	11.9	100.0	1450
TOT	154	283	2242	2259	496	37	1	12.0		5472
PCT	2.8	5.2	41.0	41.3	9.1	.7	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	..9	2.2	5.6	6.4		6.0
NE	4.1	4.1	8.8	8.2		5.5
E	4.7	3.6	7.6	4.7		5.0
SE	2.7	1.5	3.2	1.6		4.6
S	1.0	.8	1.7	1.0		5.0
SW	1.0	.4	1.6	1.1		5.2
W	1.1	.7	2.6	2.7		5.8
NW	1.1	.9	4.2	4.3		6.2
VAR	.0	.0	.0	.0		.0
CALM	.8	.6	1.1	.6		4.7
TOT OBS	767	623	1528	1292	4210	5.4
TOT PCT	18.2	14.8	36.3	30.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
*	.0	.4	.8	3.4	3.0	.5	.1	.1	.1	7.7	
*	.1	.3	.9	5.8	4.7	.4	.1	.1	.1	12.7	
.1	.0	.3	.5	3.9	3.0	.2	.1	*	.1	12.4	
*	.0	.1	.2	1.6	1.0	.1	*	*	.1	5.9	
.0	.0	.1	.1	1.0	.6	*	.1	.0	*	2.6	
.0	.0	.1	.1	.7	.6	.0	*	.1	.1	2.4	
.0	.0	.1	.4	1.5	1.2	.1	.1	.1	*	3.6	
*	.0	.3	.5	2.3	2.4	.2	.2	.2	.2	4.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	*	.0	.4	.2	.0	.0	.0	*	2.3	
6	4	72	152	866	703	62	30	24	28	2263	4210
.1	.1	1.7	3.6	20.6	16.7	1.5	.7	.6	.7	53.8	100.0

OCTOBER

PERIOD: (PRIMARY) 1951-1971
(OVER-ALL) 1860-1971

AREA 0002 DA NANG
15.8N 108.9E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.9	1.2	1.2	1.2	1.2	1.2	1.2	1.2
= OR >5000	1.4	1.9	1.9	1.9	1.9	1.9	1.9	1.9
= OR >3500	2.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4
= OR >2000	13.1	19.5	19.9	20.1	20.1	20.1	20.1	20.1
= OR >1000	24.4	38.6	40.1	40.5	40.6	40.7	40.7	40.7
= OR >600	25.5	41.2	43.2	43.9	44.2	44.2	44.2	44.2
= OR >300	25.7	42.2	44.6	45.5	45.8	45.9	45.9	45.9
= OR >150	25.7	42.3	44.6	45.6	45.9	46.0	46.0	46.0
= OR > 0	25.8	42.4	44.8	45.7	46.0	46.1	46.2	46.2
TOTAL	1090	1789	1890	1930	1943	1947	1948	1949

TOTAL NUMBER OF OBS: 4221

PCT FREQ NH <5/8: 53.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
2.7	9.2	22.5	11.0	8.5	9.1	13.7	5.2	17.8	.3	4299

OCTOBER

PERIOD: (PRIMARY) 1951-1971
(OVER-ALL) 1860-1971

AREA 0002 DA NANG
15.8N 108.9E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	*	*	*	.0	.0	.0	.0	.1	.0	.0	.2	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	*	*	.0	.0	.0	.0	.1	.0	.0	.2	
	PCP	.1	.1	.1	*	.0	*	*	.1	.0	.0	.5	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.1	.1	*	.0	*	*	.1	.0	.0	.5	
	PCP	.3	.2	.1	.1	*	*	.1	.2	.0	.0	.9	
1<2	NO PCP	*	*	.0	.0	*	.0	.0	.0	.0	.0	.1	
	TOT %	.3	.2	.1	.1	.1	*	.1	.2	.0	.0	1.0	
	PCP	.5	.5	.4	.1	*	.1	.2	.2	.0	.0	2.1	
2<5	NO PCP	.1	.1	.1	*	.0	.0	*	.1	.0	*	.5	
	TOT %	.6	.7	.5	.1	*	.1	.3	.3	.0	*	2.6	
	PCP	1.4	1.4	1.3	.4	.3	.3	.6	.7	.0	.1	6.5	
5<10	NO PCP	3.7	5.0	2.8	.8	.5	.6	1.7	2.6	.0	.7	18.7	
	TOT %	5.1	6.4	4.1	1.2	.8	1.0	2.3	3.4	.0	.8	25.1	
	PCP	.2	.4	.5	.2	.1	*	.3	.2	.0	*	1.9	
10+	NO PCP	10.3	18.4	14.8	7.1	3.4	2.7	3.8	6.2	.0	1.9	68.7	
	TOT %	10.5	18.8	15.2	7.3	3.6	2.7	4.1	6.4	.0	2.0	70.5	
	TOT OBS												4788
	TOT PCT	16.6	26.2	20.1	8.7	4.5	3.9	6.8	10.4	.0	2.8	100.0	

OCTOBER

PERIOD: (PRIMARY) 1951-1971
(OVCR-ALL) 1860-1971

AREA 0002 DA NANG
15.8N 108.9E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	*	.0	.0	.0	.0	.0	.0	.0		*	
	11-21	.0	.0	*	.0	.0	.0	.0	*	.0		.1	
	22+	*	*	*	.0	.0	.0	.0	.1	.0		.2	
	TOT %	*	*	.1	.0	.0	.0	.0	.1	.0	.0	.2	
	0-3	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	
1/2<1	4-10	.0	*	*	*	.0	*	*	.0	.0		.1	
	11-21	*	.1	.0	*	.0	.0	*	*	.0		.2	
	22+	.1	*	*	.0	.0	*	.0	.1	.0		.2	
	TOT %	.1	.1	.1	*	.0	*	*	1	.0	.0	.5	
	0-3	.0	.0	.0	*	.0	*	*	.0	.0	*	.1	
1<2	4-10	*	*	*	*	*	*	*	.0	.0		.2	
	11-21	.1	.1	*	*	*	.0	.0	.1	.0		.3	
	22+	.1	.2	*	.0	*	*	*	.1	.0		.5	
	TOT %	.3	.3	.1	.1	.1	*	.1	.2	.0	*	1.1	
	0-3	*	0	.0	*	.0	*	*	*	.0	*	.2	
2<5	4-10	.3	2	.1	.1	*	*	*	.1	.0		.8	
	11-21	.2	.4	.3	*	.0	.1	.2	.1	.0		1.4	
	22+	.2	.2	.2	*	*	*	*	.1	.0		.8	
	TOT %	.7	.8	.7	.2	*	.1	.3	.4	.0	*	3.1	
	0-3	.2	.1	.1	.1	*	.1	.1	.2	.0	.8	1.6	
5<10	4-10	1.2	1.6	1.3	.5	.3	.5	1.0	1.1	.0		7.6	
	11-21	2.4	3.3	2.1	.6	.3	.2	.9	1.5	.0		11.3	
	22+	1.1	1.4	.6	.1	.1	*	.1	.4	.0		3.7	
	TOT %	4.9	6.3	4.0	1.3	.8	.9	2.2	3.2	.0	.8	24.3	
	0-3	.4	.6	.8	.4	.4	.4	.5	.4	.0	2.0	5.9	
10+	4-10	4.4	7.5	7.2	3.6	2.0	1.7	2.4	2.7	.0		31.6	
	11-21	4.8	9.3	6.7	3.1	.9	.4	1.0	2.6	.0		28.6	
	22+	1.0	1.9	.7	.1	.2	.1	.1	.6	.0		4.6	
	TOT %	10.6	19.4	15.4	7.2	3.5	2.6	3.9	6.3	.0	2.0	70.8	
	TOT OBS												5119
	TOT PCT	16.6	26.9	20.3	8.7	4.3	3.7	6.5	10.1	.0	2.8	100.0	

OCTOBER

PERIOD: (PRIMARY) 1951-1971
(OVER-ALL) 1960-1971

AREA 0002 DA NANG
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MH >4/8) AND OCCURRENCE OF MH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7099	8000+	TOTAL	MH <5/8 ANY HGT	TOTAL OBS
00&03	2	.2	2.2	3.3	24.0	16.4	2.0	.7	.4	.8	50.2	49.8	1068
06&09	.1	.2	2.2	3.8	20.5	16.3	1.2	.7	.4	.8	46.2	53.8	1053
12&15	.1	.0	1.2	3.7	19.0	16.5	1.0	.7	.8	.6	43.6	56.4	1080
18&21	.2	.0	1.1	3.5	17.9	16.8	1.7	.7	.7	.5	43.0	57.0	1064
TOT	6	4	72	152	867	704	63	30	24	28	1950	2315	4265
PCT	.1	.1	1.7	3.6	20.3	16.5	1.5	.7	.6	.7	45.7	54.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	2	.5	1.4	3.4	23.1	71.4	1060
06&09	.2	.9	1.1	3.5	22.4	72.1	1042
12&15	.2	.5	6	2.0	26.2	70.5	1075
18&21	.4	2	.9	1.9	27.5	69.1	1059
TOT	10	21	42	114	1051	2998	4236
PCT	.2	.5	1.0	2.7	24.8	70.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	MH <5/8 AND 5+	TOTAL OBS
00&03	.4	3.2	9.5	41.6	48.8	1060
06&09	.3	3.4	9.0	38.4	52.6	1042
12&15	.7	1.9	7.1	37.4	55.5	1075
18&21	.8	2.0	7.2	36.5	56.3	1059
TOT	22	110	347	1630	2259	4236
PCT	.5	2.6	8.2	38.5	53.3	100.0

PERIOD: (PRIMARY) 1951-1971
(OVER-ALL) 1860-1971

AREA 0002 DA NANG
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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	1	3	.3	*	.0	32	.7
85/89	C	.0	0	2	1.5	4.1	1.5	.3	324	7.5
80/84	0	.0	0	1	3.9	16.9	24.4	7.7	2272	52.9
75/79	.0	.0	.0	.2	2.2	7.3	13.2	12.6	1525	35.5
70/74	.0	.0	.0	.0	*	.2	1.1	1.9	137	3.2
65/69	0	.0	0	0	.0	.0	.0	.1	3	.1
TOTAL	0	0	0	26	340	1235	1726	966	4293	100.0
PCT	0	.0	0	.6	7.9	28.8	40.2	22.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1	2	.1	.1	.1	*	.1	1	.0	*
1.0	1.6	2.0	1.3	.4	.3	1	.5	.0	.4
7.6	15.1	12.7	5.7	2.5	1.6	2.3	4.0	.0	1.5
6.7	8.3	5.6	1.8	1.4	1.9	3.6	5.2	.0	1.0
.7	.2	.1	*	.1	.2	1.0	.9	.0	.1
0	.0	.0	.0	.0	.0	.1	*	.0	.0
16.1	25.4	20.5	8.9	4.4	4.0	7.1	10.5	.0	3.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	93	86	84	80	75	73	69	80.0	1297
06&09	94	91	88	82	76	73	67	82.0	1389
12&15	89	86	84	80	75	73	68	80.2	1315
18&21	90	84	83	79	75	72	70	79.2	1447
TOT	94	88	85	80	75	73	67	80.4	5448

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.5	6.8	28.6	40.0	24.2	83	1046
06&09	.0	1.2	16.4	38.8	28.8	14.8	79	1055
12&15	.0	.5	5.2	27.2	44.8	22.3	83	1105
18&21	.0	.3	3.5	21.3	46.6	28.2	85	1102
TOT	0	26	341	1244	1731	966	82	4308

PERIOD: (PRIMARY) 1951-1971
(OVER-ALL) 1860-1971

TABLE 17

AREA 0002 DA NANG
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PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	*	.0	.0	.0	1	.0	*
11/13	.0	.0	.0	.0	.3	*	*	*	15	.0	.3
9/10	.0	.0	.0	.4	.1	*	.1	.0	29	.0	.6
7/8	.0	.0	.0	.7	.1	.6	.3	*	75	.0	1.6
6	.0	.0	.2	*	.1	.6	.1	.0	45	.0	1.0
5	.0	.0	.1	.1	.3	1.1	.2	.0	82	.0	1.8
4	.0	.0	*	.2	1.2	.9	.2	.0	115	.0	2.5
3	.0	.0	.1	.2	1.7	.9	.1	.0	133	.0	2.9
2	.0	.0	*	.8	4.2	.9	*	.0	273	.0	6.0
1	.0	0	.1	1.2	4.2	.9	.1	.0	292	.0	6.4
0	.0	*	.1	4.2	7.7	.5	.0	.0	572	.0	12.6
-1	0	.0	.1	4.5	4.9	.3	.0	.0	445	*	9.8
-2	.0	*	.2	6.8	5.4	.1	.0	.0	569	.0	12.5
-3	.0	.0	.4	6.7	3.6	.2	.0	.0	495	*	10.9
-4	.0	*	1.2	7.9	1.6	.0	.0	.0	482	*	10.6
-5	.0	.1	1.5	5.1	1.2	.0	.0	.0	357	.0	7.9
-6	.0	.1	1.4	2.7	.2	.0	.0	.0	204	.0	4.5
-7/-8	.0	.2	2.2	2.1	.1	*	.0	.0	213	*	4.6
-9/-10	.0	.3	1.0	.7	*	.0	.0	.0	92	*	2.0
-11/-13	*	.1	.4	.2	.2	.0	.0	.0	42	*	.9
-14/-16	.0	.0	*	.2	.0	.0	.0	.0	11	.0	.2
-17/-19	.0	.0	.1	.0	.0	.0	.0	.0	4	.0	.1
TOTAL									4546		
PCT	*	.8	9.1	44.7	37.2	7.1	1.1	.1	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1971

OCTOBER

TABLE 18

AREA 0002 DA NANG
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.4	.0	.0	.0	0	1.9
1-2	.2	3.2	2.7	.0	.0	.0	6.0
3-4	*	1.0	3.7	.9	.0	.0	5.6
5-6	.0	.2	.9	.4	.0	.0	1.5
7	.0	.1	.5	7	.0	.0	1.3
8-9	.0	.0	.2	.4	.0	.0	.5
10-11	.0	.0	*	.1	*	.0	.2
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	0	.0	.0	.0
26-32	.0	.0	.0	0	.0	.0	.0
33-40	.0	.0	.0	0	.0	.0	.0
41-48	.0	.0	.0	0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	0	.0	0	.0	.0	.0	.0
TOT PCT	.8	5.8	8.0	2.6	*	.0	17.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.5	.0	.0	.0	.0	1.8
1-2	.2	5.4	3.7	.0	.0	.0	9.4
3-4	*	1.4	5.6	1.1	.0	.0	8.2
5-6	.0	.3	1.7	.7	*	.0	2.7
7	.0	.0	1.0	.9	.1	.0	2.0
8-9	.0	.0	.3	.3	.1	.0	.7
10-11	.0	.0	.2	.2	*	.0	.4
12	.0	.0	*	*	.1	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	8.6	12.6	3.3	.3	.0	25.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.4	*	0	.0	.0	1.6
1-2	2	5.2	4.9	.0	.0	.0	10.3
3-4	.0	1.4	3.5	.9	.0	.0	5.7
5-6	0	.1	.7	.3	.0	.0	1.2
7	0	.0	.6	3	*	.0	1.0
8-9	0	.0	.1	.2	.0	.0	.2
10-11	.0	.0	*	*	0	.0	.1
12	0	*	.0	0	.0	.0	*
13-16	.0	0	.0	.0	.0	.0	.0
17-19	.0	0	.0	0	.0	.0	.0
20-22	0	0	.0	.0	.0	.0	.0
23-25	0	0	.0	0	.0	.0	.0
26-32	0	0	.0	0	0	.0	.0
33-40	.0	0	.0	.0	.0	.0	.0
41-48	.0	.0	0	.0	.0	.0	0
49-60	0	0	.0	0	.0	.0	.0
61-70	0	.0	0	.0	.0	.0	.0
71-86	0	.0	.0	0	0	.0	.0
87+	0	0	0	0	0	.0	0
TOT PCT	4	8.2	9.8	1.7	*	.0	20.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.9	*	.0	.0	.0	1.3
1-2	.1	2.4	2.5	.0	.0	.0	5.1
3-4	*	.4	1.0	.3	.0	.0	1.7
5-6	.0	*	.3	*	.0	.0	.3
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	*	*	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	0	.0	.0	.0	0	0	.0
TOT PCT	.5	3.8	3.9	.3	.0	.0	8.5

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

AREA 0002 DA NANG
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.7	.0	0	.0	.0	.8
1-2	.1	1.6	.6	.0	.0	.0	2.3
3-4	*	*	3	*	.0	.0	.4
5-6	.0	.0	.1	1	.0	.0	.2
7	.0	.0	*	*	.0	.0	*
8-9	.0	0	*	0	.0	.0	*
10-11	.0	.0	.0	0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	0	.0	.0	.0	.0
20-22	0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	0	.0	.0	.0	.0	.0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	0	.0	.0	.0	.0	.0	.0
49-60	0	.0	0	.0	.0	.0	.0
61-70	0	0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	0	.0	.0	.0	.0	.0	.0
TOT PCT	2	2.4	1.1	.1	.0	.0	3.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.1	.0	.0	.0	.0	1.5
1-2	.1	1.3	.3	.0	.0	.0	1.7
3-4	.0	*	.3	.1	.0	.0	.4
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	.0	*	.0	.0	*
8-9	.0	.0	*	*	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.4	.7	.1	.0	.0	3.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	2.0	.0	.0	.0	.0	2.4
1-2	.2	2.2	1.4	.0	.0	0	3.8
3-4	0	2	.7	.1	.0	.0	1.1
5-6	0	0	.1	.1	.0	.0	.2
7	0	*	0	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	0	.0
10-11	.0	0	.0	.0	0	.0	0
12	.0	.0	0	.0	.0	.0	.0
13-16	0	.0	.0	0	0	.0	.0
17-19	-	0	0	.0	.0	.0	.0
20-22	.0	0	0	0	.0	.0	.0
23-25	.0	.0	.0	0	.0	.0	.0
26-32	0	0	0	0	.0	.0	.0
33-40	.0	.0	.0	.0	0	.0	.0
41-48	0	0	0	0	.0	.0	.0
49-60	0	0	0	0	.0	.0	.0
61-70	0	.0	0	0	.0	0	.0
71-86	0	0	.0	0	.0	.0	0
87+	0	.0	0	0	0	.0	.0
TOT PCT	6	4.4	2.3	2	0	0	7.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.3	.0	.0	.0	.0	1.7
1-2	.2	2.4	2.0	.0	.0	.0	4.7
3-4	*	.9	1.8	.5	.0	.0	3.0
5-6	.0	.1	.6	.4	*	.0	1.1
7	.0	*	.1	.2	*	.0	.4
8-9	0	*	.1	.1	.0	.0	.2
10-11	.0	0	.1	.2	.1	.0	.4
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	*	.0	.0	.0	*
17-19	.0	0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	4.6	4.8	1.4	.2	.0	11.6

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PERIOD (OVER-ALL) 1963-1971

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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.5	10 3	1	0	.0	0	15 9	
1-2	1 5	23 6	18 0	0	0	.0	43.1	
3-4	1	5.1	16.8	3.9	.0	0	25.9	
5-6	.0	7	4 5	1 9	1	.0	7.1	
7	0	1	2.3	2 1	.2	0	4.7	
8-9	.0	*	.8	1 0	.1	0	1 9	
10-11	0	0	4	.6	.2	.0	1.1	
12	0	*	*	.1	.1	.0	2	
13-16	0	0	*	*	0	0	.1	
17-19	0	.0	.0	0	.0	.0	0	
20-22	0	0	0	.0	0	.0	0	
23-25	.0	0	0	0	.0	.0	0	
26-32	0	0	0	.0	.0	.0	0	
33-40	0	0	.0	.0	0	0	.0	
41-48	0	.0	0	0	0	.0	.0	
49-60	0	0	0	.0	.0	0	.0	
61-70	0	0	.0	.0	.0	.0	.0	
71-86	.0	0	.0	0	0	.0	.0	
87+	0	0	.0	0	0	.0	0	
								3031
TOT PCT	7.2	39 9	42.9	9 5	.5	0	100.0	

PERIOD (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2 2	21 5	19 1	5 0	3 2	1 3	7	1	*	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	1853	3
6-7	0	3 5	6 5	3 4	3 7	1 5	1 1	3	.2	*	*	.0	.0	.0	.0	.0	.0	.0	.0	704	5
8-9	0	1 2	2 1	1 4	1 0	1.4	9	2	2	1	0	0	0	0	.0	.0	.0	.0	.0	328	6
10-11	0	*	3	6	8	5	7	1	1	.0	0	0	.0	0	.0	.0	.0	.0	.0	113	7
12-13	0	0	1	0	1	*	2	0	*	0	0	.0	.0	.0	.0	.0	.0	.0	.0	14	8
>13	0	0	.0	0	0	0	0	*	.1	.0	*	*	0	0	.0	.0	.0	.0	.0	5	16
INDET	2 9	3 9	4 1	1 1	9	.2	2	.1	1	0	1	0	.0	.0	.0	.0	.0	.0	.0	475	3
TOTAL	179	1056	1126	399	366	170	129	34	25	3	4	1	0	0	0	0	0	0	0	3492	4
PCT	5 1	30 2	32 2	11 4	10 5	4 9	3.7	1 0	7	1	1	*	0	0	.0	.0	.0	.0	.0	100.0	

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PERIOD: (PRIMARY) 1953-1971
(OVER-ALL) 1856-1971

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15.9N 109.1E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	PRECIPITATION TYPE DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	OTHER WEATHER PHENOMENA THDR LTNG	FOG W0 PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	1.1	.4	.5	.0	.0	.0	.0	1.9		*	.1	*	.0		14.9	
NE	1.0	1.1	.8	.0	.0	0	.0	2.9		.1	.1	.4	.0		36.7	
E	.4	.6	.2	.0	.0	~	.0	1.2		*	*	.1	.0		22.7	
SE	.1	.2	.2	.0	.0	.0	.0	.4		*	*	*	.0		4.8	
S	*	.1	*	.0	.0	.0	.0	.1		.0	.0	.0	.0		1.3	
SW	*	.1	.0	.0	.0	.0	.0	.1		.0	.0	*	.0		1.4	
W	.1	.1	.2	.0	.0	.0	.0	.5		.0	.0	*	.0		2.7	
NW	.5	.1	.3	.0	.0	.0	.0	.9		.0	.0	*	.0		5.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0	
CALM	.0	*	.0	.0	.0	.0	.0	*		.0	.0	.0	.0		1.5	
TOT OBS	154	132	104	0	0	0	0		386	7	11	32	0		4437	4873
TOT PCT	3.2	2.7	2.1	.0	.0	.0	.0	7.9		.1	.2	.7	.0		91.1	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	PRECIPITATION TYPE DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	OTHER WEATHER PHENOMENA THDR LTNG	FOG W0 PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	3.3	3.3	2.3	.0	.0	.0	.0	8.6		.0	.3	9	.0		90.2	
06&09	3.3	2.6	.9	.0	.0	.0	.0	6.7		.0	.3	1.0	.0		91.9	
12&15	3.4	2.0	2.3	.0	.0	.0	.0	7.7		.2	.2	.5	.0		91.4	
18&21	2.9	3.1	3.2	.0	.0	.0	.0	9.0		.3	.2	.2	.0		90.3	
TOT	157	133	106	0	0	0	0		392	7	11	32	0		4439	4881
PCT	3.2	2.7	2.2	.0	.0	.0	.0	8.0		.1	.2	.7	.0		90.9	

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PERIOD: (PRIMARY) 1953-1971
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TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.4	5.0	8.4	3.2	.1	.0		17.1	15.1	15.2	14.3	20.4	15.5	19.6	14.0	16.8	14.2
NE	.5	11.0	22.8	6.6	.2	.0		41.1	15.0	37.8	37.6	39.8	50.3	41.7	43.0	40.7	42.9
E	.5	7.6	13.9	1.5	.1	.0		23.6	13.3	23.0	26.9	20.9	19.5	24.3	26.0	24.8	26.0
SE	.3	2.5	2.0	.2	*	*		5.1	10.7	5.6	5.9	4.5	5.1	4.5	7.8	5.1	4.3
S	.2	1.0	.2	.1	.0	.0		1.5	8.1	1.7	1.2	2.1	1.4	1.2	.8	1.3	1.4
SW	.2	.9	.2	*	.0	.0		1.3	7.4	2.8	1.3	1.0	.6	.8	.4	1.4	1.6
W	.4	1.6	.8	.1	*	.0		2.9	9.1	5.6	5.2	2.6	.9	.9	2.0	2.6	3.6
NW	.3	2.0	2.7	.9	.1	*		6.0	14.0	7.3	4.8	6.9	5.0	6.1	3.6	6.0	5.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.4							1.4	.0	1.0	2.7	1.8	1.6	.9	2.4	1.3	.9
TOT OBS	237	1777	2869	705	29	2	5619		13.7	981	334	994	434	1025	340	1056	455
TOT PCT	4.2	31.6	51.1	12.5	.5	*		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.7	8.6	6.0	.8	*		17.1	15.1	15.0	18.9	18.2	16.0
NE	3.3	21.8	14.3	1.7	*		41.1	15.0	37.8	43.0	42.1	41.3
E	2.4	14.9	6.1	.2	.0		23.6	13.3	24.0	20.5	24.7	25.1
SE	1.3	3.1	.6	.1	*		5.1	10.7	5.7	4.7	5.3	4.9
S	.7	.6	.2	.0	.0		1.5	8.1	1.5	1.9	1.1	1.3
SW	.6	.7	*	.0	.0		1.3	7.4	2.4	.9	.7	1.5
W	1.2	1.5	.2	*	*		2.9	9.1	5.5	2.1	1.2	2.9
NW	1.1	2.8	1.7	.3	.1		6.0	14.0	6.6	6.3	5.5	5.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.4						1.4	.0	1.4	1.8	1.2	1.2
TOT OBS	769	3033	1635	176	6	5619		13.7	1315	1428	1365	1511
TOT PCT	13.7	54.0	29.1	3.1	.1		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.4	4.3	31.2	49.6	12.9	.5	.1	13.6	100.0	1315
06&09	1.8	2.0	32.3	50.2	13.2	.6	.0	13.9	100.0	1428
12&15	1.2	2.4	29.3	53.6	12.9	.6	.0	14.1	100.0	1365
18&21	1.2	2.6	33.5	50.9	11.4	.4	.1	13.4	100.0	1511
TOT	79	158	1777	2869	705	29	2	13.7		5619
PCT	1.4	2.8	31.6	51.1	12.5	.5	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.7	2.5	5.9	4.9		5.5
NE	7.1	7.3	15.6	9.5		5.2
E	7.3	4.9	9.5	3.1		4.4
SE	1.8	.9	1.9	.7		4.3
S	.6	.2	.5	.3		4.2
SW	.3	.3	.6	.4		5.1
W	.4	3	1.7	1.0		5.8
NW	7	9	2.4	2.0		5.8
VAR	0	.0	.0	.0		.0
CALM	4	.4	.5	.3		4.7
TOT OBS	939	780	1689	975	4383	5.0
TOT PCT	21.4	17.8	38.5	22.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH) AND OCCURRENCE OF MH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MH <5/8 ANY HGT	TOTAL OBS
N	.1	.1	.1	.4	3.1	3.6	.3	.1	.2	.2	7.8	
NE	.2	*	.4	1.4	7.9	7.9	.8	.3	.4	.5	19.8	
E	*	.0	.1	.4	3.8	4.3	.3	.5	.2	.2	15.1	
SE	.0	.0	*	.1	.8	.9	*	*	*	*	3.4	
S	.0	.0	.0	*	.2	.2	.0	*	.0	.0	1.0	
SW	.0	.0	.0	*	.4	.3	.0	.0	.0	.0	.9	
W	.0	.0	*	.1	1.0	.8	*	.1	*	.0	1.4	
NW	*	*	.1	.1	1.9	1.2	.1	*	*	.0	2.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	*	.3	.2	*	.0	.0	.0	1.1	
TOT OBS	13	7	31	114	849	851	68	45	40	37	2328	4383
TOT PCT	.3	.2	.7	2.6	19.4	19.4	1.6	1.0	.9	.8	53.1	100.0

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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >SOYO	= OR >0
= OR >6500	1.3	1.8	1.8	1.8	1.8	1.8	1.8	1.8
= OR >5000	2.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8
= OR >3500	3.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3
= OR >2000	15.2	23.3	23.7	23.7	23.7	23.7	23.7	23.7
= OR >1000	25.4	42.1	43.0	43.1	43.1	43.2	43.2	43.2
= OR >600	26.2	44.3	45.5	45.7	45.7	45.7	45.7	45.7
= OR >300	26.4	44.7	46.1	46.4	46.4	46.4	46.4	46.4
= OR >150	26.4	44.7	46.2	46.6	46.6	46.6	46.6	46.6
= OR > 0	26.5	44.9	46.5	46.9	46.9	46.9	46.9	46.9
TOTAL	1165	1972	2040	2058	2058	2059	2059	2059

TOTAL NUMBER OF OBS: 4390

PCT FREQ NH <5/8: 53.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.1	8.2	21.0	11.6	9.0	9.9	15.0	6.4	15.4	.2	4473

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PERIOD: (PRIMARY) 1953-1971
(OVER-ALL) 1855-1971

AREA 0002 DA NANG
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	*	.0	.0	.0	.0	*	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	*	*	.0	.0	.0	.0	*	.0	.0	.1	
1/2<1	PCP	*	*	*	.0	.0	.0	.0	*	.0	.0	.1	
	NO PCP	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	TOT %	*	*	*	.0	.0	.0	.0	*	.0	.0	.1	
1<2	PCP	.1	.2	*	*	.0	.0	*	.2	.0	.0	.5	
	NO PCP	.1	.1	*	.0	.0	*	.0	.0	.0	.0	.2	
	TOT %	.1	.2	.1	*	.0	*	*	.2	.0	.0	.7	
2<5	PCP	.3	.5	.2	*	*	*	.0	.1	.0	.0	1.3	
	NO PCP	.1	.2	.1	*	.0	.0	.0	*	.0	.0	.5	
	TOT %	.4	.7	.3	.1	*	*	.0	.1	.0	.0	1.7	
5<10	PCP	.9	1.6	.7	.2	.1	.1	.4	.3	.0	*	4.3	
	NO PCP	3.8	10.5	5.2	1.3	.3	.5	1.1	1.3	.0	.7	24.7	
	TOT %	4.8	12.0	5.9	1.6	.3	.6	1.5	1.6	.0	.8	29.0	
10+	PCP	.5	.5	.3	.1	*	*	.1	.2	.0	.0	1.7	
	NO PCP	11.1	26.6	17.4	3.6	1.0	.9	1.6	3.8	.0	.8	66.7	
	TOT %	11.5	27.1	17.7	3.7	1.0	.9	1.7	4.0	.0	.8	68.4	
	TOT OBS												4872
	TOT PCT	16.9	40.2	24.0	5.3	1.4	1.5	3.2	5.9	.0	1.5	100.0	

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PERIOD: (PRIMARY) 1953-1971
(OVER-ALL) 1956-1971

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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	*	*	.0	.0	.0	.0	.0	.0		*	
	11-21	*	.0	*	.0	.0	.0	.0	.0	.0		.1	
	22+	*	*	.0	*	.0	.0	.0	*	.0		.1	
	TOT %	*	*	*	*	.0	.0	.0	*	.0	.0	.1	
	0-3	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	*	.0	.0	.0	.0	.0	.0	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	*	*	*	.0	.0	.0	.0	*	.0		.1	
	TOT %	*	*	*	.0	.0	.0	.0	*	.0	.0	.1	
	0-3	.0	0	.0	.0	.0	0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.1	.0	.0	0	*	.0	*	.0		.1	
	11-21	.1	.1	.1	*	.0	.0	.0	.1	.0		.4	
	22+	.1	.'	.1	*	.0	.0	*	.1	.0		.3	
	TOT %	1	.4	.1	*	.0	*	*	.2	.0	.0	.8	
	0-3	.0	.0	*	.0	.0	*	.0	.0	.0	.0	*	
2<5	4-10	.1	.1	.1	*	*	.0	.0	*	.0		.4	
	11-21	.2	.5	.2	*	*	.0	.0	.1	.0		1.1	
	22+	.2	.4	.1	*	.0	.0	.0	.1	.0		.9	
	TOT %	.5	1.0	.4	.1	*	*	.0	.2	.0	.0	2.3	
	0-3	.2	.1	.2	.1	*	.1	.2	.2	.0	.?	1.9	
5<10	4-10	1.2	3.0	1.7	.8	.2	.3	.9	.5	.0		8.6	
	11-21	2.2	6.1	3.3	.5	.1	.1	.3	.8	.0		13.4	
	22+	1.1	2.9	.6	*	*	*	*	.1	0		4.4	
	TOT %	4.6	11.8	5.8	1.5	.3	.6	1.4	1.6	.0	.7	28.2	
	0-3	.2	.4	.2	1	.1	.1	.2	.1	.0	.8	2.3	
10+	4-10	3.6	7.7	5.7	1.8	.8	.6	.9	1.5	.0		22.8	
	11-21	6.1	16.0	10.7	1.5	.1	.1	.5	1.9	.0		38.9	
	22+	1.6	3.4	.8	.2	.1	.0	*	.7	.0		6.7	
	TOT %	11.5	27.6	17.5	3.5	1.0	.8	1.6	4.1	.0	.8	68.4	
TOT OBS													5199
TOT PCT		16.8	40.8	23.8	5.2	1.4	1.4	3.1	6.0	.0	1.5	100.0	

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PERIOD: (PRIMARY) 1953-1971
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 1-9	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.2	.2	.9	4.2	23.9	21.3	1.7	1.1	.6	.5	54.6	45.4	1087
06&09	.5	.4	.6	2.3	19.1	22.3	1.6	1.4	.7	.6	49.4	50.6	1077
12&15	.3	.1	.8	2.5	15.9	16.4	1.5	.9	1.1	1.3	40.8	59.2	1131
18&21	.3	.0	.5	1.3	18.3	17.1	1.4	.7	1.1	1.0	41.7	58.3	1135
TOT	13	7	31	114	854	851	68	45	40	37	2060	2370	4430
PCT	.3	.2	.7	2.6	19.3	19.2	1.5	1.0	.9	.8	46.5	53.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.1	.0	.5	2.3	28.8	68.4	1078
06&09	.1	.1	.7	1.4	26.5	71.2	1068
12&15	.0	.0	.3	2.1	30.9	66.8	1119
18&21	.0	.0	.4	1.2	31.0	67.3	1132
TOT	2	1	21	77	1290	3006	4397
PCT	*	*	.5	1.8	29.3	68.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.3	1.5	6.9	48.7	44.4	1078
06&09	.6	1.6	5.1	44.9	50.0	1068
12&15	.4	1.3	5.1	36.4	58.5	1119
18&21	.5	1.1	3.7	38.6	57.7	1132
TOT	20	60	228	1848	2321	4397
PCT	.5	1.4	5.2	42.0	52.8	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.1	.1	*	*	*	16	.4
85/89	.0	.0	*	.2	.7	.6	.2	.3	85	2.0
80/84	.0	.0	.0	.5	4.0	13.9	7.4	2.5	1220	28.3
75/79	.0	.0	.0	.3	3.6	22.5	23.2	12.0	2656	61.6
70/74	.0	.0	*	.2	.9	.9	2.5	2.9	318	7.4
65/69	.0	.0	.0	.0	.0	*	.1	.3	18	.4
TOTAL	0	0	3	52	405	1634	1442	777	4313	100.0
PCT	.0	.0	.1	1.2	9.4	37.9	33.4	18.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.1	.1	.1	*	.1	*	.0	.0	.0	.0
.3	.7	.7	.1	.1	*	*	*	.0	*
4.1	12.2	7.2	1.9	.5	.3	.4	1.2	.0	.6
9.4	25.2	16.5	2.7	.7	1.0	1.7	3.5	.0	.9
1.8	1.9	.7	.2	.2	.3	1.0	1.0	.0	.1
.1	.1	.0	.0	.0	.0	.1	.1	.0	.0
15.8	40.1	25.1	5.0	1.5	1.6	3.3	5.8	.0	1.7

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	93	84	82	78	73	70	65	78.1	1311
06&09	93	89	86	80	74	71	65	79.9	1413
12&15	87	83	81	78	73	70	67	77.9	1363
18&21	86	82	81	78	73	70	64	77.3	1504
TOT	93	86	83	78	73	70	64	78.3	5591

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.5	8.9	37.3	32.9	20.4	81	1047
06&09	.0	3.2	17.5	42.3	24.4	12.6	77	1039
12&15	.0	.9	6.8	39.4	35.7	17.1	81	1111
18&21	.0	.6	4.7	32.7	40.3	21.6	83	1123
TOT	0	55	405	1635	1447	779	81	4320

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.0	*	.4	.0	.1	*	27	.0	.6
9/10	.0	.0	.0	.0	.8	*	.2	.1	*	56	.0	1.2
7/8	.0	.0	.0	.0	1.7	.3	.4	.1	.0	114	.0	2.4
6	.0	.0	.0	.3	.1	.3	.3	.0	.0	41	.0	.9
5	.0	.0	.0	.1	.1	.7	.2	.0	.0	59	.0	1.2
4	.0	.0	.0	.2	.7	1.1	.2	*	.0	106	.0	2.2
3	.0	.0	.0	.2	1.2	1.5	.3	.0	.0	150	*	3.2
2	.0	.0	.0	.4	3.1	2.6	.2	.0	.0	296	*	6.2
1	.0	.0	.0	.8	4.1	2.1	.1	.0	.0	342	*	7.2
0	.0	.0	*	1.9	7.5	3.1	*	.0	.0	592	*	12.5
-1	.0	.0	0	1.8	10.2	1.1	*	.0	.0	622	.0	13.2
-2	.0	.0	.1	2.7	11.4	.8	.0	.0	.0	710	*	15.0
-3	.0	*	.2	1.8	8.5	.5	.0	.0	.0	519	.0	11.0
-4	.0	*	.4	2.7	5.5	.2	.0	.0	.0	415	*	8.7
-5	.0	.0	.4	1.9	3.8	.1	.0	.0	.0	296	.0	6.3
-6	.0	.0	.4	1.9	1.1	.0	.0	.0	.0	163	*	3.4
-7/-8	*	.1	.6	1.5	.7	*	.0	.0	.0	142	.0	3.0
-9/-10	.0	.1	.5	.5	.1	*	.0	.0	.0	58	.0	1.2
-11/-13	.0	.1	.2	*	*	.0	.0	.0	.0	17	.0	.4
-14/-16	.0	.0	*	*	.0	.0	.0	.0	.0	3	.0	.1
TOTAL										4725		
PCT	*	.4	2.9	18.9	60.6	14.9	1.9	.4	*	100.0	.2	99.8

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TABLE 18 AREA 0002 DA NANG 15.9N 109.1E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.5	.0	.0	.0	.0	.7
1-2	.1	3.1	2.6	.0	.0	.0	5.8
3-4	.0	.9	3.3	.8	.0	.0	5.0
5-6	.0	*	1.1	.8	.0	.0	1.9
7	.0	.1	.9	.6	.0	.0	1.6
8-9	.0	.1	.4	.6	.1	.0	1.2
10-11	.0	.0	*	.3	*	.0	.4
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	4.6	8.5	3.2	.1	.0	16.8

NE

1-3	4-10	11-21	22-33	34-47	48+	PCT
.2	1.7	.0	.0	.0	.0	1.9
.1	6.3	6.7	.0	.0	.0	13.1
*	2.4	9.3	2.3	.0	.0	14.0
.0	.3	3.0	1.4	*	.0	4.7
.0	.1	2.1	1.1	.0	.0	3.3
.0	.1	.9	.7	*	.0	1.8
.0	.0	.2	.4	*	.0	.6
.0	.0	.3	.2	*	.0	.5
.0	*	.1	.3	*	.0	.4
.0	.0	.0	*	*	.0	.1
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.3	10.9	22.6	6.4	.1	.0	40.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.8	.0	.0	.0	.0	1.2
1-2	.1	4.2	5.6	.0	.0	.0	9.9
3-4	.0	1.4	6.5	.7	.0	.0	8.6
5-6	.0	.2	1.7	.4	*	.0	2.3
7	.0	.0	.7	.2	.0	.0	.9
8-9	.0	.0	.2	.1	*	.0	.3
10-11	.0	.0	.1	.1	.0	.0	.1
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	6.5	14.8	1.5	.1	.0	23.3

SE

1-3	4-10	11-21	22-33	34-47	48+	PCT
.2	.8	.1	.0	.0	.0	1.0
*	1.1	1.0	.0	.0	.0	2.2
.0	.3	.7	.2	.0	.0	1.1
.0	*	.2	.1	.0	.0	.3
.0	.0	.1	.0	.0	.0	.1
.0	*	*	.0	.0	.0	*
.0	.0	*	.0	.0	.0	*
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.2	2.2	2.1	.2	.0	.0	4.7

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TABLE 18

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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.5	.0	.0	.0	.0	.5
1-2	*	.5	.1	.0	.0	.0	.6
3-4	.0	.1	.1	.1	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	*	.0	.0	.0	*
8-9	.0	*	.0	.0	.0	.0	*
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.0	.3	.1	.0	.0	1.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.5	.0	.0	.0	.0	.6
1-2	.1	.5	.1	.0	.0	.0	.7
3-4	*	.2	.1	.0	.0	.0	.3
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	*	.0	.0	.0	*
8-9	.0	*	.0	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.2	.2	.0	.0	.0	1.7

W

HGT	[illegible]	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.1	.0	.0	.0	.0	1.5
1-2	*	1.0	.5	.0	.0	.0	1.5
3-4	.1	.1	.2	*	.0	.0	.4
5-6	0	.1	.1	.0	*	.0	.2
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	*	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.3	.8	.1	*	.0	3.7

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.9	.0	.0	.0	.0	1.2
1-2	.1	1.1	1.0	.0	.0	.0	2.2
3-4	*	.2	1.2	.1	.0	.0	1.5
5-6	.0	.0	.4	.4	*	.0	.8
7	.0	.0	.3	.2	.0	.0	.5
8-9	.0	.0	.1	.2	.0	.0	.3
10-11	.0	.0	.1	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.2	3.1	.9	*	.0	6.7

PERIOD: (OVER-ALL) 1953-1971

AREA 0002 OR MAND
15.9N 109.1E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.5	6.7	.1	.0	.0	.0	10.3	
1-2	.7	17.6	17.6	.0	.0	.0	36.0	
3-4	.1	5.4	21.3	4.1	.0	.0	31.0	
5-6	.0	.6	6.5	3.1	.1	.0	10.2	
7	.0	.2	4.2	2.0	.0	.0	6.5	
8-9	.0	.2	1.7	1.6	.2	.0	3.6	
10-11	.0	.0	.4	.8	*	.0	1.2	
12	.0	.0	.3	.3	*	.0	.6	
13-16	.0	*	.1	.4	*	.0	.5	
17-19	.0	.0	.0	*	*	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								3045
TOT PCT	4.4	30.7	52.2	12.3	.4	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.0	16.6	22.0	6.5	4.5	1.7	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1820	4
6-7	.0	2.4	7.9	4.7	4.0	1.8	1.2	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	772	5
8-9	.0	.5	1.2	1.7	3.2	1.6	1.1	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	334	7
10-11	.0	.3	.3	.1	.3	.5	.7	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	92	8
12-13	.0	.0	.1	.0	.1	.1	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	9
>13	.0	.0	.0	.0	.0	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	9
INDEF	1.6	2.3	3.4	.8	1.0	.9	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	370	4
TOTAL	89	754	1191	469	445	225	139	49	45	7	0	0	0	0	0	0	0	0	0	3414	4
PCT	2.6	22.1	34.9	13.7	13.1	6.6	4.1	1.4	1.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1940-1971
(OVER-ALL) 1869-1971

AREA 0002 DA NANG
15.9N 108.3E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	2.0	.3	.7	.0	.0	.0	.0	3.0		.0	.1	.1	.0		12.4	
NE	1.6	.8	.8	.0	.0	.0	.0	3.1		.0	.2	.2	*		30.6	
E	.4	.2	.2	.0	.0	.0	.0	.8		*	.0	*	.0		21.3	
SE	.1	.1	*	.0	.0	.0	.0	.2		.0	*	.2	.0		6.1	
S	.1	*	*	.0	.0	.0	.0	.1		.0	.0	*	.0		1.9	
SW	.1	.1	.2	.0	.0	.0	.0	.4		.0	*	.1	.0		1.9	
W	.6	.2	.6	.0	.0	.0	.0	1.4		.0	.1	.1	.0		4.0	
NW	1.6	.4	.8	.0	.0	.0	.0	2.7		*	.1	.2	.0		6.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0	
CALM	*	.0	*	.0	.0	.0	.0	*		.0	.0	*	.0		1.8	
TOT OBS	279	86	150	0	0	0	0		507	3	22	40	2		3697	4271
TOT PCT	6.5	2.0	3.5	.0	.0	.0	.0	11.9		.1	.5	.9	*		86.6	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	7.3	2.3	3.8	.0	.0	.0	.0	13.3		0	.6	1.7	.0		84.5	
06&09	6.7	2.1	3.1	.0	.0	.0	.0	11.6		0	.5	1.0	.1		86.9	
12&15	5.7	2.1	3.1	.0	.0	.0	.0	10.7		.2	.5	.5	.1		88.0	
18&21	6.7	1.5	4.0	0	.0	.0	.0	12.2		.1	.5	.6	.0		86.6	
TOT	282	86	150	0	0	0	0		510	3	22	40	2		3704	4281
PCT	6.6	2.0	3.5	.0	.0	0	.0	11.9		.1	.5	.9	*		86.5	

DECEMBER

PERIOD: (PRIMARY) 1940-1971
(OVER-ALL) 1869-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	4.6	7.5	3.4	.2	.0		16.2	15.2	14.3	14.0	17.1	20.8	18.9	16.5	15.6	15.0
NE	.6	9.1	19.2	7.1	.3	.0		36.3	15.5	34.8	38.4	36.2	44.4	37.0	33.3	33.2	39.8
E	.8	10.0	9.6	1.1	*	.0		21.5	11.4	17.3	16.0	22.6	19.2	25.1	26.8	22.1	20.3
SE	.4	3.5	1.9	1	.0	.0		5.8	9.1	5.5	4.3	5.0	2.9	4.7	8.5	9.6	6.2
S	.2	1.3	.2	*	.0	.0		1.8	6.9	3.2	3.9	1.4	1.3	.6	.7	1.9	1.9
SW	.4	1.4	.3	*	0	.0		2.1	7.1	4.5	3.2	1.0	.7	1.3	.8	1.9	3.5
W	.4	2.2	2.0	.3	.0	.0		5.0	10.8	8.5	7.7	3.6	1.2	2.8	4.0	5.5	6.2
NW	.3	2.8	4.8	1.5	.1	.0		9.4	14.3	9.6	9.4	11.7	7.9	10.0	6.4	9.7	5.1
VAR	0	0	.0	0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.9							1.9	.0	2.3	1.1	1.5	1.5	1.6	3.0	1.5	2.0
TOT OBS	273	1738	2255	667	29	0	4962		13.2	879	262	927	341	940	271	937	405
TOT PCT	5.5	35.0	45.4	13.4	.6	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)							HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.9	7.6	5.6	1.0	.0		16.2	15.2	14.2	18.1	16.8	15.4
NE	3.2	17.1	14.6	1.5	0		36.3	15.5	35.6	38.4	36.2	35.2
E	4.1	13.7	3.5	1	.0		21.5	11.4	17.0	21.7	25.5	21.5
SE	1.7	3.8	3	*	.0		5.8	9.1	5.3	4.5	5.6	7.9
S	.9	8	1	0	0		1.8	6.9	3.3	1.4	.6	1.9
SW	1.1	9	1	0	0		2.1	7.1	4.2	.9	1.2	2.4
W	1.4	2.6	.9	*	0		5.0	10.8	6.3	2.9	3.0	5.7
NW	1.4	4.8	2.6	6	*		9.4	14.3	9.6	10.7	9.2	8.3
VAR	.0	0	0	0	0		0	.0	.0	.0	.0	.0
CALM	1.9						1.9	.0	2.5	1.5	1.9	1.6
TOT OBS	876	2546	1376	163	1	4962		13.2	1141	1268	1211	1342
TOT PCT	17.7	51.3	27.7	3.3	*		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY: 1940-1971
(OTHER-ALL) 1869-1971

AREA 0002 DA NANG
15.9N 108.3E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.5	5.0	34.6	43.7	13.4	.8	.0	13.0	100.0	1141
06&09	1.5	3.8	33.8	45.9	14.6	.5	.0	13.5	100.0	1268
12&15	1.9	3.0	33.0	47.2	14.4	.5	.0	13.5	100.0	1211
18&21	1.6	3.0	38.4	44.9	11.5	.6	.0	12.8	100.0	1342
TOT	92	181	1738	2255	667	29	0	13.2		4962
PCT	1.9	3.6	35.0	45.4	13.4	.6	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.0	1.7	3.9	7.4		6.1
NE	5.2	4.6	11.5	10.0		5.5
E	7.7	3.7	7.7	4.0		4.4
SE	3.2	1.4	1.7	.7		3.6
S	.6	.4	.8	.5		4.7
SW	.6	.4	.6	1.0		5.3
W	.7	.5	1.6	3.3		6.3
NW	.7	.5	2.2	6.9		6.9
VAR	0	.0	.0	.0		.0
CALM	.6	.5	.6	.4		4.5
TOT OBS	796	512	1152	1276	3736	5.4
TOT PCT	21.3	13.7	30.8	34.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM ≥4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
.1	.1	.4	1.1	4.3	3.1	.4	.1	.2	*	5.1	
.1	*	.5	1.3	7.8	6.1	1.0	.3	.4	.1	13.8	
.1	.0	.1	.3	3.8	3.8	.2	.4	.2	.2	14.0	
.0	.0	.0	*	.7	.9	.1	.1	.0	*	5.3	
*	.0	.0	.1	.6	.2	*	.0	*	*	1.3	
.0	.0	.1	.1	.8	.4	.1	*	.1	.0	1.2	
.0	.0	.2	.4	2.3	1.3	.1	*	.1	*	1.8	
.1	.1	.4	1.1	4.3	2.2	.1	.1	.2	*	1.8	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	*	.0	.2	.3	*	.0	*	*	1.4	
14	5	64	161	926	680	79	37	42	17	1711	3736
.4	.1	1.7	4.3	24.8	18.2	2.1	1.0	1.1	.5	45.8	100.0

DECEMBER

PERIOD: (PRIMARY) 1940-1971
(OVER-ALL) 1869-1971

AREA 0002 DA NANG
15.9N 108.9E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
= OR >5000	1.7	2.5	2.6	2.6	2.6	2.6	2.6	2.6
= OR >3500	2.7	4.5	4.7	4.7	4.7	4.7	4.7	4.7
= OR >2000	13.9	22.6	22.8	22.8	22.9	22.9	22.9	22.9
= OR >1000	25.1	45.7	47.4	47.6	47.6	47.6	47.6	47.6
= OR >600	26.1	48.9	51.5	51.9	51.9	51.9	51.9	51.9
= OR >300	26.2	49.9	53.0	53.5	53.6	53.7	53.7	53.7
= OR >150	26.3	49.9	53.1	53.7	53.7	53.8	53.8	53.8
= OR > 0	26.4	50.2	53.4	54.0	54.1	54.2	54.2	54.2
TOTAL	988	1877	1997	2018	2021	2024	2024	2024

TOTAL NUMBER OF OBS: 3737 PCT FREQ HH <5/8: 45.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
4.2	8.0	17.7	9.2	6.8	7.9	11.1	7.1	27.5	.5	3822

DECEMBER

PERIOD: (PRIMARY) 1940-1971
(OVER-ALL) 1869-1971

TABLE 8

AREA 0002 DA NANG
15.9N 108.9E

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (MM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	.0	.0	.0	.0	.0	*	*	.0	.0	.1	
	NO PCP	.0	*	.0	.0	.0	*	*	.0	.0	.0	.1	
	TOT %	*	*	.0	.0	.0	*	.1	*	.0	.0	.2	
1/2<1	PCP	*	.1	*	.0	.0	.0	*	*	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	.1	*	.0	.0	.0	*	*	.0	.0	.2	
1<2	PCP	.2	.2	*	.0	.0	.0	.1	.2	.0	.0	.7	
	NO PCP	*	.0	.0	.0	.0	.0	*	.1	.0	.0	.2	
	TOT %	.2	.2	*	.0	.0	.0	.1	.3	.0	.0	.8	
2<5	PCP	.7	.7	.1	*	.1	.1	.2	.8	.0	*	2.8	
	NO PCP	.3	.2	.1	*	.0	.0	.0	.1	.0	0	.7	
	TOT %	1.0	.9	.1	*	.1	.1	.2	1.0	.0	*	3.5	
5<10	PCP	1.6	1.6	.5	.1	*	.2	.9	1.5	.0	.0	6.4	
	NO PCP	3.7	8.0	5.5	1.6	8	.9	1.9	3.2	.0	1.0	26.7	
	TOT %	5.3	9.6	5.9	1.7	.9	1.1	2.8	4.7	.0	1.0	33.2	
10+	PCP	.4	.6	.2	*	*	*	.1	.2	.0	.0	1.6	
	NO PCP	8.5	22.8	15.8	4.6	1.1	1.1	2.2	3.7	.0	.8	60.5	
	TOT %	9.0	23.4	16.0	4.7	1.1	1.1	2.3	3.8	.0	.8	62.2	
	TOT OBS												4267
	TOT PCT	15.6	34.2	22.1	6.4	2.1	2.4	5.6	9.8	.0	1.9	100.0	

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PERIOD (PRIMARY) 1940-1971
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AREA 0002 DA NANG
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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	*	*	.0	.0		*	
	11-21	*	*	.0	.0	.0	.0	*	*	.0		.1	
	22+	*	*	.0	.0	.0	.0	.0	*	.0		*	
	TOT %	*	*	.0	.0	.0	*	.1	*	.0	.0	.2	
	0-3	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	*	.0	.0	.0	.0	.0	.0	.0		*	
	11-21	*	*	*	.0	.0	.0	*	.0	.0		.1	
	22+	.0	*	.0	.0	.0	.0	.0	*	.0		*	
	TOT %	*	.1	*	.0	.0	.0	*	*	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	*	
1<2	4-10	.0	*	.0	.0	.0	.0	*	*	.0		.1	
	11-21	.2	.1	*	.0	.0	.0	.1	.1	.0		.5	
	22+	.1	.1	.0	.0	.0	.0	.0	.2	.0		.3	
	TOT %	.3	.2	*	.0	.0	.0	.1	.3	.0	.0	.9	
	0-3	.0	*	.0	*	*	.0	.0	*	.0	.1	.1	
2<5	4-10	.1	.1	.1	*	.1	.1	.1	.1	.0		.6	
	11-21	.5	.7	.1	.0	.0	*	.1	.5	.0		2.0	
	22+	.5	.3	*	.0	.0	*	.3	.3	.0		1.1	
	TOT %	1.1	1.1	.2	*	.1	.1	.2	.9	.0	.1	3.8	
	0-3	.2	.2	.4	.2	.2	.2	.2	.2	.0	1.0	2.7	
5<10	4-10	1.2	1.8	2.6	.8	.5	.7	1.2	1.3	.0		10.1	
	11-21	2.3	4.8	2.2	.5	.1	.1	1.0	2.3	.0		13.3	
	22+	1.5	2.4	.4	*	*	*	.2	.8	.0		5.4	
	TOT %	5.2	9.1	5.7	1.6	.8	1.1	2.6	4.5	.0	1.0	31.5	
	0-3	.3	.4	.4	.2	.1	.1	.2	.2	.0	.8	2.8	
10+	4-10	3.3	6.9	7.4	2.7	.8	.7	1.0	1.4	.0		24.2	
	11-21	4.3	13.4	7.6	1.5	.1	.2	.9	2.0	.0		30.0	
	22+	1.2	4.2	.7	.1	.0	.0	*	.2	.0		6.5	
	TOT %	9.1	24.9	16.2	4.4	1.0	1.1	2.2	3.8	.0	.8	63.4	
	TOT OBS												4609
	TOT PCT	15.7	35.5	22.0	6.1	1.9	2.2	5.2	9.5	.0	1.9	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.2	2	2.8	4.9	25.4	19.7	2.0	1.0	1.0	.3	57.5	42.5	919
06&09	.3	2	2.5	4.8	26.1	18.4	2.0	.5	.7	.2	55.8	44.2	936
12&15	5	.0	1.1	3.9	24.0	15.8	2.2	1.5	1.4	.9	51.4	48.6	971
18&21	4	.1	.5	3.4	22.8	18.2	2.2	.8	1.3	.3	50.0	50.0	958
TOT	14	5	65	161	928	680	79	37	42	17	2028	1756	3784
PCT	.4	.1	1 7	4.3	24.5	18.0	2.1	1.0	1.1	.4	53.6	46.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.1	.3	1.4	4.0	33.8	60.4	908
06&09	2	.1	1 0	4.1	32.6	62.0	932
12&15	1	0	.3	3.6	35.4	60.5	965
18&21	0	1	.3	2.4	37.3	59.9	947
TOT	4	5	28	132	1306	2277	3752
PCT	.1	.1	.7	3.5	34.8	60.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.9	4.0	10.8	48.0	41.2	908
06&09	1.0	3.8	11.1	45.5	43.5	932
12&15	.6	1.8	8.5	43.7	47.8	965
18&21	.6	1.3	6.1	44.9	49.0	947
TOT	29	100	341	1707	1704	3752
PCT	.8	2.7	9.1	45.5	45.4	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.1	.1	.0	*	*	11	.2
85/89	.0	.0	.0	*	.2	.2	.1	.1	21	.6
80/84	.0	*	.0	.1	2.2	2.8	1.9	.5	282	7.5
75/79	.0	0	*	.5	2.7	19.4	14.6	8.3	1717	45.6
70/74	.0	.0	.0	.1	2.7	7.1	12.1	12.9	1312	34.8
65/69	.0	.0	.0	0	.1	.8	3.1	5.4	354	9.4
60/64	.0	.0	.0	.0	0	.2	.2	1.3	65	1.7
55/59	.0	.0	.0	.0	.0	.0	*	.1	6	.2
TOTAL	0	1	1	31	304	1144	1207	1080	3768	100.0
PCT	.0	*	*	.8	8.1	30.4	32.0	28.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.1	.1	*	.0	.0	*	*	.0	.0
*	.2	.3	*	*	.0	.0	.0	.0	.0
.5	3.0	2.7	.7	.1	.1	.1	.1	.0	.2
5.0	16.7	13.6	4.1	1.1	.9	1.1	1.9	.0	1.1
6.4	10.6	5.8	1.9	.9	1.4	2.4	4.7	.0	.7
2.8	.8	.3	.1	.1	.3	1.9	3.1	.0	.1
.4	.1	*	.0	*	*	.5	.7	.0	.0
.0	.0	.0	.0	.0	.0	*	.1	.0	.0
15.2	31.3	23.0	6.8	2.2	2.7	6.1	10.6	.0	2.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	81	80	75	67	63	58	74.3	1140
06&09	94	86	83	77	68	63	61	76.6	1264
12&15	86	81	79	75	68	63	57	74.7	1209
18&21	81	79	78	75	67	64	56	73.9	1343
TOT	94	84	81	75	67	63	56	74.9	4956

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.7	6.1	27.3	34.0	32.0	84	898
06&09	.0	1.9	15.6	34.5	26.7	21.3	80	915
12&15	.0	.7	6.5	31.8	33.1	27.9	83	986
18&21	.0	.3	4.3	27.5	34.4	33.5	84	979
TOT	0	33	304	1144	1212	1085	83	3778

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TABLE 17

AREA 0002 DA NANG
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PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TBT	W FOG	WB FOG
14/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	3	.0	.1
11/13	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	*	14	.0	.3
9/10	.0	.0	0	.0	*	.0	.1	*	*	.1	.0	11	.0	.3
7/8	.0	.0	.0	.0	.0	.1	.4	.3	.1	*	.0	36	.0	.9
6	0	.0	.0	.0	.0	.2	.3	.1	.1	*	.0	31	.0	.7
5	.0	.0	.0	.0	.0	.6	.4	.5	.1	.0	.0	63	.0	1.5
4	.0	.0	.0	.0	.2	.6	.7	.8	*	.0	.0	100	.0	2.4
3	.0	.0	.0	.0	.3	.9	.6	.5	*	.0	.0	97	.0	2.3
2	.0	.0	*	.0	.9	1.3	1.9	1.0	*	.0	.0	213	.0	5.1
1	.0	.0	.0	*	.6	2.0	2.6	.6	.0	.0	.0	241	*	5.7
0	0	.0	*	.1	1.1	3.4	5.1	.5	.0	.0	.0	426	*	10.1
-1	0	.0	0	.1	1.1	4.2	3.9	.4	.0	0	.0	405	.0	9.7
-2	.0	.0	.0	.7	1.7	6.1	4.5	.1	.0	.0	.0	547	.0	13.1
-3	.0	.0	*	.5	1.6	5.1	4.2	.0	.0	.0	.0	477	*	11.4
-4	.0	.0	.3	1.0	2.4	6.4	1.8	.0	.0	.0	.0	484	.1	11.5
-5	.0	.0	.2	.6	2.2	3.5	1.8	*	.0	.0	.0	348	.1	8.2
-6	.0	.0	.3	.7	1.9	2.6	.2	.0	.0	.0	.0	239	.2	5.5
-7/-8	.0	.1	.3	1.1	2.2	2.0	.1	.0	.0	.0	.0	234	.1	5.5
-9/-10	*	*	.2	.7	1.2	.6	*	.0	.0	.0	.0	119	.0	2.8
-11/-13	*	*	.2	.4	.4	.4	.0	.0	.0	.0	.0	62	.0	1.5
-14/-16	.0	.0	*	.2	.1	.2	.0	.0	.0	.0	.0	26	.0	.6
-17/-19	.0	.0	.0	*	.1	.0	.0	.0	.0	.0	.0	5	.0	.1
TOTAL												4181		
PCT	*	.1	1.7	6.1	17.8	40.2	28.3	4.9	.5	.2	.1	100.0	.5	99.5

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TABLE 18

AREA 0002 DA NANG
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.2	.0	.0	.0	.0	1.5
1-2	.1	3.0	2.4	.0	.0	.0	5.5
3-4	.1	.5	2.5	1.0	.0	.0	4.0
5-6	.0	*	.7	.3	.0	.0	1.0
7	.0	*	.6	.5	.0	.0	1.1
8-9	.0	*	.2	.3	.0	.0	.5
10-11	.0	.0	.1	.2	.1	.0	.4
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	*	*	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	0
TOT PCT	.4	4.8	6.5	2.3	.2	.0	14.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.6	.0	.0	.0	.0	2.0
1-2	.2	3.8	4.4	.0	.0	.0	8.4
3-4	.1	2.0	6.9	2.9	.0	.0	11.8
5-6	.0	.3	3.0	1.7	.1	.0	5.0
7	*	.0	1.8	1.5	.0	.0	3.3
8-9	.0	*	.8	1.0	*	.0	1.9
10-11	.0	*	.2	.4	*	0	.7
12	.0	.0	.1	.1	.1	.0	.3
13-16	.0	.0	*	*	.1	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	7.7	17.2	7.6	.3	.0	33.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	2.6	*	.0	.0	.0	3.4
1-2	.2	5.4	4.1	.0	.0	.0	9.7
3-4	*	1.4	4.7	.4	.0	.0	6.6
5-6	.0	.2	.8	.1	.0	.0	1.1
7	.0	*	.4	.3	.0	.0	.8
8-9	.0	.0	.2	.2	*	.0	.5
10-11	.0	.0	.1	*	.0	.0	.1
12	.0	.0	*	.0	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	9.6	10.5	1.2	*	.0	22.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.5	.0	.0	.0	.0	1.9
1-2	.1	1.8	1.2	.0	.0	.0	3.1
3-4	*	.3	.4	.0	.0	.0	.7
5-6	.0	.0	.1	*	.0	.0	.2
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.6	1.7	.1	.0	.0	5.9

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TABLE 18

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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.2	.0	.0	.0	.0	1.4
1-2	.1	.7	.2	.0	.0	.0	1.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.9	.2	.0	.0	.0	2.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.0	.0	.0	.0	.0	1.5
1-2	.1	1.0	.2	.0	.0	.0	1.2
3-4	.0	.2	.1	.0	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.2	.3	.0	.0	.0	3.1

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.3	*	.0	.0	.0	2.0
1-2	.1	1.6	1.5	.0	.0	.0	3.2
3-4	.0	.3	.8	.2	.0	.0	1.3
5-6	.0	.0	.2	*	.0	.0	.2
7	.0	.0	.1	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	0	.0	.0	.0	.0	.0	.0
TOT PCT	0	3.2	2.6	.3	.0	.0	6.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.1	.0	.0	.0	.0	1.4
1-2	.2	2.0	2.3	.0	.0	.0	4.5
3-4	.0	.4	2.3	.6	.0	.0	3.2
5-6	.0	.0	.2	.2	*	.0	.4
7	.0	.0	*	.1	.0	.0	.2
8-9	.0	.0	*	*	.0	.0	.1
10-11	.0	.0	*	*	*	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.5	4.8	1.0	.1	.0	9.9

DECEMBER

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.7	11.3	.1	.0	.0	.0	17.1	
1-2	1.1	19.3	16.3	.0	.0	.0	36.7	
3-4	.2	5.0	17.6	5.1	.0	.0	27.9	
5-6	0	.5	4.9	2.3	.1	.0	7.8	
7	*	.1	2.9	2.5	.0	.0	5.6	
8-9	.0	*	1.3	1.5	*	.0	3.0	
10-11	.0	*	.4	.7	.2	.0	1.3	
12	0	.0	.1	.2	.1	.0	.4	
13-16	.0	.0	*	.1	.1	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	0	.0	.0	.0	.0	.0	.0	
								2529
TOT PCT	7.1	36.3	43.7	12.4	.6	.0	100.0	

PERIOD (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.1	16.9	21.4	5.7	4.2	1.5	.7	.1	.1	.0	0	.0	0	.0	.0	.0	.0	.0	.0	1605	3
6-7	0	2.1	6.2	3.8	4.7	1.6	1.3	.4	3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	609	5
8-9	.1	.8	1.9	1.2	1.5	1.7	5	6	.2	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	256	6
10-11	0	1	*	.3	.4	.6	.3	.2	.2	1	*	.0	0	.0	.0	.0	.0	.0	.0	70	9
12-13	0	0	3	.1	*	*	.0	1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5
>13	0	0	.0	.1	*	0	.1	*	0	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	7	8
INDET	3.3	2.3	4.5	1.4	1.7	.5	.3	1	.1	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	427	3
TOTAL	193	666	1024	373	377	183	96	44	27	4	1	0	0	0	0	0	0	0	0	2988	4
PCT	6.5	22.3	34.3	12.5	12.6	6.1	3.2	1.5	.9	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

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PERIOD: (PRIMARY) 1939-1971
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TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			PRECIPITATION TYPE								OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W0 PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.7	.2	.3	.0	.0	.0	.0	1.3		.1	.2	.2		*	8.6	
NE	.5	.4	.3	.0	.0	.0	.0	1.2		.1	.1	.3		*	14.7	
E	.2	.2	.1	.0	.0	.0	.0	.6		.2	.2	.5		*	13.2	
SE	.1	.1	.1	.0	0	.0	.0	.3		.4	.3	.9		*	14.7	
S	.2	.1	*	.0	.0	.0	0	.3		.4	.1	.3		.0	12.0	
SW	.3	1	.1	.0	.0	.0	0	.5		.3	.1	.2		*	7.6	
W	.6	.2	.3	.0	0	.0	.0	1.1		.2	.2	.2		*	6.5	
NW	.8	.3	.5	.0	.0	.0	.0	1.5		.1	.3	.2		*	7.2	
VAR	.0	0	.0	.0	.0	.0	.0	0		.0	.0	.0		.0	*	
CALM	*	*	*	.0	.0	0	.0	1		.1	.1	.2		.0	2.4	
TOT OBS	1987	966	1019	0	0	0	0		3897	1025	924	1826		20	49095	56757
TOT PCT	3.5	1.7	1.7	.0	.0	.0	.0	6.8		1.9	1.5	3.0		*	86.8	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			PRECIPITATION TYPE								OTHER WEATHER PHENOMENA					
HOUR (GM	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W0 PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
0003	3.6	1.7	1.6	.0	.0	.0	.0	7.0		.1	2.6	3.8		*	86.5	
0609	3.2	1.7	1.5	.0	.0	.0	.0	6.3		.1	1.2	4.2		.1	88.2	
1215	3.5	1.6	1.7	.0	.0	.0	.0	6.7		4.0	.8	2.3		*	86.1	
1821	3.8	.9	2.0	.0	.0	.0	.0	7.5		3.4	1.1	1.6		*	86.4	
TOT	1396	966	1021	0	0	0	0		3910	1027	925	1827		20	49179	56857
PCT	3.5	1.7	1.7	.0	.0	.0	.0	6.9		1.9	1.5	3.0		*	86.8	

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TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.6	4.0	4.3	1.3	.1	*		10.2	11.6	8.5	9.5	13.7	13.0	11.5	7.3	8.5	7.5
NE	.7	6.3	7.9	2.0	.1	*		16.9	11.2	14.7	16.6	19.7	21.9	17.5	14.6	14.9	15.9
E	.8	7.3	5.8	.5	*	.0		14.4	10.1	11.1	12.0	15.6	17.6	17.7	15.0	13.2	12.2
SE	.9	8.2	6.7	.4	*	*		16.2	10.3	12.0	13.2	13.9	16.4	21.1	22.1	17.7	14.0
S	.8	7.4	5.4	.5	*	.0		14.1	9.8	15.2	13.4	11.1	11.3	11.9	16.4	17.4	17.7
SW	.7	4.7	2.8	.5	*	.0		8.7	8.8	13.1	9.2	6.9	5.5	5.5	7.7	9.7	12.0
W	.7	3.8	2.6	.5	*	.0		7.6	10.5	12.0	9.9	6.2	4.0	4.5	6.3	8.0	9.5
NW	.5	3.5	3.7	1.0	.1	*		8.8	12.0	9.8	10.5	10.5	8.4	8.1	7.4	7.7	7.4
VAR	.0	*	.0	.0	.0	.0		*	.4	.0	.0	.0	.0	.0	.0	*	.0
CALM	2.9							2.9	.0	3.1	5.6	2.5	2.0	2.2	3.3	2.8	3.8
TOT OBS	5529	26987	25606	4361	213	6	64702		11.1	11224	4075	11723	5115	11632	4052	11571	5310
TOT PCT	8.7	45.1	39.2	6.7	.3	*		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)							HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.1	5.2	2.6	.3	*		10.2	11.6	8.7	13.5	10.4	8.2
NE	2.9	9.0	4.6	.5	*		16.9	11.2	15.2	20.3	16.8	15.2
E	3.5	8.8	2.0	.1	.0		14.4	10.1	11.4	16.2	17.0	12.5
SE	4.0	10.4	1.9	*	*		16.2	10.3	12.4	14.7	21.4	16.5
S	3.7	8.5	1.8	.1	.0		14.1	9.8	14.7	11.2	13.1	17.5
SW	2.8	4.6	1.1	.1	*		8.7	8.8	12.8	6.5	6.1	10.5
W	2.4	3.8	1.2	.1	*		7.6	10.5	11.8	5.5	4.9	8.5
NW	1.9	4.5	2.1	.3	*		8.8	12.0	10.0	9.8	7.9	7.6
VAR	*	.0	.0	.0	.0		*	.4	.0	.0	.0	*
CALM	2.9						2.9	.0	3.8	2.3	2.5	3.2
TOT OBS	16774	35509	11320	1067	32	64702		11.1	15299	16838	15684	16181
TOT PCT	26.2	54.8	17.3	1.6	*		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.8	7.8	45.9	35.4	6.8	.4	*	10.6	100.0	15299
06&09	3.3	5.3	44.0	40.9	7.2	.3	*	11.4	100.0	16038
12&15	2.5	4.4	43.6	42.4	6.6	.3	*	11.4	100.0	15684
18&21	3.2	5.6	46.6	38.2	6.1	.3	*	10.8	100.0	16880
TOT	1864	3665	28906	25606	4361	213	6	11.1		64701
PCT	2.9	5.7	45.1	39.2	6.7	.3	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 - OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.4	1.3	1.4	4.1		5.8
NE	2.8	2.6	1.0	4.2		5.2
E	4.7	2.8	5.1	2.3		4.4
SE	6.7	3.3	5.2	1.8		4.0
S	4.2	2.5	4.0	1.7		4.1
SW	1.9	1.4	3.3	2.1		5.0
W	1.1	.9	3.0	3.6		6.0
NW	.9	.8	2.9	5.1		6.3
VAR	0	0	.0	.0		.0
CALM	.8	.5	1.1	.7		4.8
TOT OBS	12581	7962	16790	12975	50308	5.0
TOT PCT	24.5	15.9	33.9	25.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH >4/8) AND OCCURRENCE OF MH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	<500 7999	8000+	MH <5/8 ANY HGT	TOTAL OBS
*	*	.2	.4	2.3	1.8	.3	.1	.1	.1	4.7	
.1	*	.2	.5	3.1	2.6	.3	.1	.2	.1	8.3	
.1	*	.1	.2	1.9	1.7	.2	.2	.2	.2	10.2	
*	*	.1	.1	1.2	1.2	.2	.1	.3	.2	13.5	
*	*	*	.1	.8	.9	.2	.2	.3	.2	9.6	
*	*	.1	.1	.9	.9	.2	.1	.3	.2	5.8	
*	*	.2	.4	1.8	1.1	.2	.1	.2	.2	4.4	
*	.1	.4	.6	2.8	1.7	.2	.1	.2	.1	3.3	
0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
*	.0	*	.1	.3	.3	*	*	*	.1	2.2	
172	95	688	1390	7772	6226	890	584	894	650	30947	50308
.3	.2	1.3	2.7	15.2	12.4	1.8	1.2	1.8	1.3	61.8	100.0

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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = 0R >10	= 0R >5	= 0R >2	= 0R >1	= 0R >1/2	= 0R >1/4	= 0R >5070	= 0R >0
= 0R >6500	2 2	3 1	3.1	3.1	3.1	3.1	3.1	3.1
= 0R >5000	3 0	4 3	4 3	4.3	4.3	4.3	4.3	4.3
= 0R >3500	4 1	6.0	6.1	6.1	6 1	6.1	6 1	6.1
= 0R >2000	12 3	18 1	18 4	18 5	18 5	18.5	18.5	18 5
= 0R >1000	19 9	32 3	33 4	33 6	33 6	33 6	33.6	33.6
= 0R >600	20 6	34 3	36.0	36.2	36 3	36 3	36.3	36.3
= 0R >300	20.7	35 1	37 1	37 5	37.6	37.6	37.6	37.6
= 0R >150	20 8	35 2	37 3	37.7	37.8	37.8	37.8	37.8
= 0R > 0	20 9	35.4	37 5	37.9	38 0	38.1	38.1	38.1
TOTAL	10437	17928	19023	19247	19311	19339	19359	19370

TOTAL NUMBER OF OBS 50356 PCT FREQ NH (5/8: 61.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
9 3	13 1	23 2	9 9	6 3	6.8	10 3	4 8	15.7	.6	51424

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	*	*	*	*	*	*	.0	.0	.1	
	NO PCP	*	*	*	.1	*	*	*	.1	.0	*	.3	
	TOT %	*	*	*	.1	*	*	.1	.1	.0	*	.4	
1/2<1	PCP	*	*	*	*	*	*	*	*	.0	.0	.1	
	NO PCP	*	*	*	*	*	*	*	*	.0	*	.1	
	TOT %	*	*	*	*	*	*	*	.1	.0	*	.2	
1<2	PCP	.1	1	*	*	*	*	.1	.1	.0	*	4	
	NO PCP	*	*	*	*	*	*	*	*	.0	*	2	
	TOT %	.1	.1	*	*	*	*	.1	.1	.0	*	.6	
2<5	PCP	.3	.2	.1	*	.1	.1	.2	4	.0	*	1.5	
	NO PCP	.2	2	.1	.1	1	.1	.1	.2	.0	.1	1.1	
	TOT %	.5	.4	2	.2	.1	.1	.3	.5	.0	.1	2.5	
5<10	PCP	6	.6	3	.2	.2	.3	.6	.8	.0	.1	3.6	
	NO PCP	2.6	3.7	3.2	3.9	2.3	1.5	2.0	2.8	.0	.9	23.0	
	TOT %	3.2	4.3	3 5	4.1	2.5	1.7	2.6	3.7	.0	1.0	26.6	
10+	PCP	.2	.2	.1	.1	.1	.1	.2	.2	.0	*	1.1	
	NO PCP	6 2	11.3	10 6	12.1	10.4	6.5	4.9	4.7	*	1.7	68.5	
	TOT %	6.4	11 5	10.8	12.2	10.5	6.6	5.1	4.8	*	1.8	69.7	
	TOT OBS												56748
	TOT PCT	10.3	16.4	14.6	16.6	13.2	8.6	8.2	9.3	*	2.9	100.0	

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PERIOD. (PRIMARY) 1939-1971
(OVER-ALL) 1856-1971

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	*	*	*	*	*	*	*	*	.0	*	.1	
	4-10	*	*	*	*	*	*	*	*	.0		.2	
	11-21	*	*	*	*	*	*	*	*	.0		.1	
	22+	*	*	*	*	.0	*	*	*	.0		*	
	TOT %	*	*	*	.1	*	*	.1	.1	.0	*	.4	
1/2<1	0-3	*	*	*	*	*	*	*	*	.0	*	*	
	4-10	*	*	*	*	*	*	*	*	.0		.1	
	11-21	*	*	*	*	*	*	*	*	.0		.1	
	22+	*	*	*	.0	.0	*	*	*	.0		.1	
	TOT %	*	*	*	*	*	*	*	.1	.0	*	.2	
1<2	0-3	*	*	0	*	.0	*	*	*	.0	*	*	
	4-10	*	*	*	*	*	*	*	*	.0		.2	
	11-21	.1	*	*	*	*	*	*	*	.0		.3	
	22+	*	*	*	*	*	*	*	.1	.0		.2	
	TOT %	.1	.1	*	*	*	*	.1	.1	.0	*	.6	
2<5	0-3	*	*	*	*	*	*	*	*	.0	.1	.2	
	4-10	.1	.1	.1	.1	.1	.1	.1	.1	.0		.8	
	11-21	.2	.2	.1	.1	*	*	.2	.3	.0		1.2	
	22+	.1	.1	*	*	*	*	*	.1	.0		.5	
	TOT %	.5	5	.2	.2	.2	.2	.3	.6	.0	.1	2.7	
5<10	0-3	2	.2	.2	.2	.2	.2	.2	.2	.0	.9	2.4	
	4-10	1.1	1.4	1.5	1.8	1.3	.9	1.1	1.1	.0		10.3	
	11-21	1.3	1.9	1.4	1.8	.8	.4	.9	1.6	.0		10.2	
	22+	.6	7	.2	.1	.1	.1	.2	.5	.0		2.6	
	TOT %	3.1	4.2	3.4	3.9	2.4	1.6	2.5	3.5	.0	.9	25.5	
10+	0-3	.4	.5	.5	.6	.6	.5	.5	.3	.0	1.8	5.7	
	4-10	2.7	4.6	5.5	6.2	5.7	3.6	2.7	2.2	*		33.2	
	11-21	2 7	5.6	4.5	5.1	4.4	2.3	1.6	1.8	.0		27.9	
	22+	5	1.2	.3	.2	.3	.3	.2	.4	.0		3.6	
	TOT %	6 3	11.8	10.8	12.2	11.0	6.8	4.9	4.7	*	1.8	70.5	
	TOT OBS												60328
	TOT PCT	10.2	16.7	14.6	16.4	13.6	8.7	7.9	9.1	*	2.9	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	4	.2	1.8	3 4	16 4	12.6	1.9	1.4	1.8	1.5	41.5	58.5	12574
06&09	4	.2	1.6	2.6	14 3	11.6	1.7	1.1	1.6	1.1	36.2	63.8	12617
12&15	3	2	1 0	2 3	14.5	12 1	1.7	1.2	2.2	1.4	36.8	63.2	13017
18&21	3	.1	9	2.3	14 9	12.5	1.8	1.0	1.6	1.3	36.6	63.4	12725
TOT	178	95	689	1391	7783	6231	891	584	894	650	19386	31547	50933
PCT	3	2	1.3	2.7	15.0	12.2	1.8	1.2	1.8	1.3	37.8	62.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	7	4	8	3.5	26 3	68.3	12544
06&09	3	2	6	2.5	25 1	71 3	12516
12&15	2	1	4	2 3	29 5	67.5	12922
18&21	3	1	4	2 2	29.8	67.2	12648
TOT	217	125	283	1379	14324	34302	50630
PCT	4	2	5	2.6	27 7	68.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	1.2	3.5	9 2	34.2	56.5	12544
06&09	.8	2.8	7.0	30.3	62.7	12516
12&15	.6	1.9	5.7	32 0	62.3	12922
18&21	.7	1 9	5 7	32.0	62.3	12648
TOT	457	1329	3628	16331	30671	50630
PCT	8	2.5	6.9	32.1	61.0	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
100/104	.0	.0	.0	*	.0	.0	.0	.0	3	*
95/99	0	.0	*	1	.1	*	*	.0	83	.2
90/94	.0	*	*	4	1.0	.5	.2	.1	990	2.1
85/89	.0	.0	*	.3	2.6	7.0	4.0	1.0	6979	14.9
80/84	.0	*	*	.1	1.7	9.0	17.4	6.0	16726	34.2
75/79	*	.0	*	.1	1.1	6.9	11.5	9.2	15003	28.8
70/74	0	.0	*	.1	.6	2.2	5.1	6.0	7337	13.8
65/69	0	.0	*	*	.1	.5	1.8	2.1	2411	4.5
60/64	.0	.0	.0	0	*	.1	.4	.8	720	1.3
55/59	0	0	.0	.0	.0	*	*	*	39	.1
TOTAL	1	2	35	503	3435	13029	20318	12968	50291	100.0
PCT	*	*	.1	1.0	7.1	26.3	40.4	25.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	*	.0	.0	.0	.0
*	*	*	*	*	*	*	*	.0	.0
.2	.3	.3	.3	.3	.4	.2	.1	.0	.1
1.1	1.4	1.9	2.9	2.7	2.2	1.4	.8	.0	.6
2.4	4.2	4.4	6.7	6.1	4.1	3.1	2.1	.0	1.2
3.1	6.5	5.9	5.3	2.4	1.3	1.5	2.0	*	.7
2.3	2.9	2.2	1.5	.6	.5	1.1	2.4	.0	.4
1.0	.3	.1	.1	.1	.2	.8	1.8	.0	.1
.1	*	*	*	*	*	.5	.6	.0	*
.0	.0	.0	.0	.0	*	*	*	.0	.0
10.2	15.7	14.8	16.8	12.2	8.7	8.7	9.8	*	3.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	100	87	84	79	73	70	56	78.8	15251
06&09	100	91	88	82	75	71	57	81.1	16684
12&15	99	86	84	79	73	70	57	78.8	15657
18&21	93	83	82	79	73	70	56	77.9	16837
TOT	100	88	85	80	73	70	56	79.2	64429

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	*	1.0	6.9	26.4	40.4	25.2	83	12266
06&09	.0	2.8	15.2	37.4	31.3	13.3	78	12325
12&15	.0	.5	3.8	24.0	45.4	26.2	84	12944
18&21	.0	.3	2.5	17.8	44.1	35.3	86	12828
TOT	1	540	3437	13050	20352	12983	83	50363

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
20/22	0	.0	0	.0	0	.0	0	*	.0	.0	0	2	0	*
17/19	0	0	0	.0	.0	0	*	*	*	*	*	21	*	*
14/16	0	0	.0	0	0	*	*	*	*	*	*	96	*	.2
11/13	0	.0	0	.0	*	*	*	1	.1	2	1	367	*	6
9/10	0	.0	0	.0	*	1	.2	.2	3	.3	1	670	*	1.2
7/8	.0	0	.0	*	.1	2	5	5	.7	5	1	1412	*	2.5
6	.0	0	.0	*	.1	.3	.3	.4	.7	4	*	1152	.1	2.0
5	0	0	.0	*	.1	5	5	.7	1.0	5	*	1890	.1	3.3
4	0	.0	.0	*	2	6	.8	1.3	1.1	3	*	2452	1	4.3
3	0	.0	*	1	3	7	1.0	1.4	1.4	3	*	2982	.1	5.2
2	0	0	*	.1	.5	9	1.7	3.1	1.8	.2	0	4580	2	8.1
1	0	0	*	.1	5	1.2	2.1	2.8	1.8	1	*	4858	2	8.6
0	0	*	.1	1	.6	2.1	3.6	5.0	1.7	.1	0	7306	.2	13.0
-1	0	*	1	.2	.6	1.8	3.1	3.3	1.2	*	0	5663	.1	10.1
-2	0	*	1	3	.7	2.2	3.4	3.7	6	*	.0	6049	.1	10.9
-3	0	*	1	.3	.6	1.7	2.7	2.3	4	*	0	4557	1	8.2
-4	.0	*	1	3	.9	1.8	2.1	1.7	.2	.0	.0	3842	1	6.9
-5	0	*	.1	.3	7	1.1	1.6	1.0	1	*	0	2736	*	4.9
-6	0	*	2	.3	6	8	9	.4	*	.0	0	1749	.1	3.1
-7/-8	*	*	.2	.4	7	8	.8	3	*	0	.0	1773	*	3.2
-9/-10	*	*	1	2	3	3	.2	1	.0	0	.0	755	*	1.3
-11/-13	*	*	1	2	1	.1	*	*	.0	0	.0	321	*	.6
-14/-16	0	*	*	*	*	*	*	0	0	0	0	81	*	.1
-17/-19	0	*	*	*	*	*	0	.0	0	.0	0	14	*	*
TOTAL												55328		
PCT	*	2	1 1	2 9	7 6	17 3	25 8	28 3	13.3	3 0	.5	100.0	1.5	98 5

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TABLE 18

AREA 0002 OR NANG 15.9N 108.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.5	*	0	.0	0	2.0
1-2	.2	2.2	1.9	.0	.0	.0	4.2
3-4	*	.4	1.6	.5	.0	.0	2.6
5-6	.0	.1	.5	.2	*	.0	.7
7	.0	*	.3	.2	.0	.0	.6
8-9	.0	*	.1	.1	*	.0	.3
10-11	.0	*	*	.1	*	.0	.2
12	.0	.0	*	*	.0	.0	*
13-16	.0	.0	*	*	*	.0	*
17-19	.0	.0	.0	*	*	.0	*
20-22	.0	.0	0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	0	.0	.0	.0	.0	.0
TOT PCT	.6	4.2	4.4	1.2	*	.0	10.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.8	.1	.0	.0	.0	2.2
1-2	.2	3.1	2.4	.0	.0	.0	5.6
3-4	*	.9	2.9	.7	.0	.0	4.5
5-6	*	.1	1.0	.4	*	.0	1.5
7	*	*	.6	.4	*	.0	1.0
8-9	.0	*	.3	.2	*	.0	.5
10-11	.0	*	.1	.2	*	0	.3
12	.0	.0	.1	.1	*	.0	.1
13-16	.0	*	*	*	*	.0	.1
17-19	.0	.0	.0	*	*	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	5.9	7.4	1.9	.1	.0	15.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.1	.1	.0	.0	.0	2.7
1-2	.2	4.0	3.4	.0	.0	.0	7.6
3-4	*	.9	2.2	.2	.0	.0	3.4
5-6	*	1	.4	.1	*	.0	.6
7	.0	*	.2	.1	*	.0	.3
8-9	.0	*	.1	.1	*	.0	.1
10-11	.0	.0	*	*	.0	.0	.1
12	.0	*	*	*	.0	.0	*
13-16	0	.0	*	*	.0	.0	*
17-19	.0	0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	7.2	6.4	.5	*	.0	14.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	2.6	.1	.0	.0	.0	3.2
1-2	.3	4.6	5.0	.0	.0	.0	9.8
3-4	*	.7	2.0	.2	.0	.0	2.9
5-6	.0	.1	.2	*	.0	.0	.3
7	*	*	.1	*	.0	.0	.1
8-9	.0	*	*	*	*	.0	*
10-11	.0	.0	*	*	*	.0	*
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	0
TOT PCT	.9	8.0	7.4	.3	*	.0	16.5

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TABLE 18

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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.2	1	.0	.0	.0	2.8
1-2	.2	3.6	2.4	.0	.0	.0	6.2
3-4	*	.5	1.4	.2	.0	.0	2.1
5-6	.0	*	.3	.1	*	.0	.4
7	.0	.0	.1	.1	*	.0	.2
8-9	.0	*	*	*	.0	.0	.1
10-11	.0	.0	*	*	*	.0	*
12	.0	.0	.0	*	*	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	0	.0	.0	.0	.0
23-25	.0	.0	0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	8	6.3	4 2	.4	*	.0	11.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.9	.1	.0	.0	.0	2.6
1-2	.2	2.5	1.7	.0	.0	.0	4.5
3-4	*	.3	.7	.3	.0	.0	1.3
5-6	.0	*	.1	.1	*	.0	.2
7	.0	.0	*	*	*	.0	.1
8-9	.0	*	*	*	*	.0	*
10-11	.0	.0	.0	*	*	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	4.8	2.7	.4	*	.0	8.7

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	2.0	.1	.0	.0	.0	2.6
1-2	.1	2.3	1.9	.0	.0	.0	4.3
3-4	*	.3	1.0	.3	.0	.0	1.7
5-6	.0	*	.1	.1	*	.0	.3
7	.0	*	.1	.1	*	.0	.1
8-9	.0	.0	*	*	*	.0	*
10-11	.0	.0	.0	*	*	.0	*
12	.0	.0	*	*	.0	0	*
13-16	0	.0	.0	*	.0	.0	*
17-19	0	.0	.0	.0	.0	.0	.0
20-22	.0	0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	0	0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	0	.0	.0	.0	.0	.0
49-60	0	.0	.0	.0	.0	.0	.0
61-70	0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	0	0	0	.0	.0	.0	.0
TOT PCT	8	4.6	3.2	.5	*	.0	9.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.6	*	.0	.0	.0	2.1
1-2	.2	2.1	2.1	.0	.0	.0	4.3
3-4	*	.4	1.7	.5	.0	.0	2.6
5-6	*	*	.4	.3	*	.0	.7
7	.0	*	.2	.2	*	.0	.4
8-9	.0	*	.1	.1	*	.0	.1
10-11	.0	*	*	*	*	.0	.1
12	.0	.0	*	*	.0	.0	*
13-16	.0	.0	*	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	4.1	4.4	1.1	*	.0	10.2

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PERIOD (OVER-ALL) 1965-1971

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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.3	15.4	.5	.0	.0	.0	23.3	
1-2	1.6	24.2	20.4	.0	.0	.0	46.3	
3-4	.2	4.3	13.4	2.9	.0	.0	20.8	
5-6	*	.5	3.0	1.2	*	.0	4.7	
7	*	1	1.6	1.0	*	.0	2.7	
8-9	.0	*	.6	.6	*	.0	1.2	
10-11	.0	*	.2	.4	.1	.0	.7	
12	0	*	.1	.1	*	.0	.2	
13-16	.0	*	*	.1	*	.0	.1	
17-19	0	0	.0	*	*	.0	*	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	0	.0	.0	.0	.0	.0	0	
71-86	.0	0	.0	.0	.0	.0	.0	
87+	0	.0	.0	.0	.0	.0	.0	
								35449
TOT PCT	9.2	44.6	39.7	6.3	.2	.0	100.0	

PERIOD (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.8	31.5	18.6	3.7	2.0	.6	.3	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	25249	3
6-7	1	3.6	4.9	2.3	2.1	.8	.5	.2	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	5954	4
8-9	1	1.0	1.4	.8	1.1	.6	.4	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	0	.0	2257	5
10-11	0	.3	.3	.2	.3	.2	.2	.1	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	708	6
12-13	0	.0	*	*	*	*	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	149	6
>13	0	0	0	*	*	*	*	*	*	.0	*	*	.0	.0	.0	.0	.0	.0	.0	30	10
INDET	6.2	4.3	3.0	.7	.5	.2	.1	.1	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	6019	2
TOTAL	4749	16254	11591	3185	2496	1029	635	232	162	26	6	1	0	0	0	0	0	0	0	40366	1
PCT	12.1	40.6	28.3	7.8	6.1	2.5	1.6	.6	.4	.1	*	*	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD (PRIMARY) 1939-1971
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TABLE 20

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PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	0	0	0	.0	*	*	*	.2	.0	.5	.0	.0	38	.1
91/92	0	0	.0	.0	2	.4	.2	.5	.2	.1	.0	.0	79	.1
89/90	*	.0	.0	2	.7	3.3	2.1	3.0	3.6	.1	.1	.0	623	1.0
87/88	.1	0	*	3	3.3	7.7	7.1	11.8	10.1	1.9	.2	.6	2076	3.3
85/86	.1	.1	2	2.4	13.4	24.4	24.2	29.4	24.8	8.4	2.2	.4	6342	10.1
83/84	.4	4	.8	6.5	21.8	28.3	30.4	31.6	31.2	24.7	5.2	1.3	9065	14.4
81/82	2.9	1.4	4.4	19.6	23.8	23.7	23.1	18.9	17.4	35.8	27.4	8.5	10660	16.9
79/80	13.7	7.5	12.6	21.1	19.6	9.7	9.2	3.6	11.4	20.8	31.3	22.4	9688	15.4
77/78	23.9	19.2	19.2	16.4	7.2	2.4	2.5	.6	.9	4.7	17.4	23.5	7564	12.0
75/76	20.1	23.2	21.7	12.7	5.8	.8	1.1	.3	.4	1.0	10.7	21.1	6582	10.4
73/74	12.7	16.4	15.0	10.4	3.7	.2	.1	.1	.0	.2	1.7	10.1	3957	6.3
71/72	9.2	11.1	7.6	4.3	5	*	*	*	.0	.4	.7	5.4	2204	3.5
69/70	9.2	8.8	7.3	4.7	.1	*	.0	.0	.0	1.4	3.0	4.9	2205	3.5
67/68	5.3	4.6	5.8	1.2	*	.0	.0	.0	.0	.0	.0	1.6	1054	1.7
65/66	1.4	2.6	3.0	.2	0	.0	.0	.0	.0	.0	.0	.1	422	.7
63/64	.5	2.8	1.8	.0	.0	.0	.0	.0	.0	.0	.0	*	299	.5
61/62	.4	1.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	*	149	.2
59/60	.2	.3	1	.0	.0	.0	.0	.0	.0	.0	.0	.0	36	.1
57/58	0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	0	0	0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	0	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	0	.0
49/50	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	0	0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	0	0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	0	0	0	.0	.0	0	.0	.0	.0	.0	.0	.0	0	0
37/38	0	0	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	0	.0
35/36	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	0	0	0	.0	0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	0	0	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	0	.0
27/28	0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	5405	5709	6130	5933	5148	4387	5521	4421	4870	5203	5455	4861	61043	100.0
MEAN	74.9	73.8	74.7	78.0	81.5	83.6	83.5	84.3	83.9	81.7	79.2	76.8	79.6	

PERIOD. (PRIMARY) 1939-1971
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AREA 0002 DA NANG
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TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MB	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1016	1017	1015	1014	1015	1015	1015	1014	1015	4970
FEB	1015	1016	1014	1013	1014	1015	1014	1014	1014	5181
MAR	1013	1014	1012	1011	1011	1012	1012	1011	1012	5531
APR	1011	1012	1011	1009	1010	1011	1011	1010	1011	5329
MAY	1007	1008	1007	1005	1006	1008	1007	1006	1007	4618
JUN	1005	1006	1005	1004	1005	1006	1005	1005	1005	3843
JUL	1004	1005	1004	1002	1003	1005	1004	1003	1004	4945
AUG	1005	1005	1004	1003	1004	1005	1005	1004	1004	3955
SEP	1007	1007	1006	1005	1006	1007	1006	1005	1006	4414
OCT	1011	1012	1010	1010	1010	1012	1011	1010	1011	4846
NOV	1014	1015	1013	1013	1014	1015	1014	1013	1014	4751
DEC	1015	1017	1014	1014	1014	1016	1014	1015	1015	4282
ANN	1010	1011	1010	1009	1009	1011	1010	1009	1010	56665
OBS	9839	3992	10060	4038	10322	4037	10269	4112		

PERCENTILES

MB	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1006	1007	1009	1013	1015	1017	1020	1022	1032
FEB	1002	1004	1008	1012	1014	1017	1020	1023	1027
MAR	1001	1003	1005	1009	1012	1015	1018	1021	1029
APR	1002	1003	1005	1008	1010	1013	1017	1021	1025
MAY	999	1001	1002	1005	1007	1009	1011	1013	1015
JUN	996	999	1001	1003	1005	1007	1009	1011	1012
JUL	992	996	999	1002	1004	1006	1009	1010	1012
AUG	992	997	1000	1002	1004	1006	1010	1012	1014
SEP	992	996	1000	1004	1006	1008	1011	1013	1015
OCT	997	1000	1004	1009	1011	1013	1016	1017	1018
NOV	1003	1006	1009	1012	1014	1016	1018	1020	1022
DEC	1002	1004	1009	1012	1015	1017	1020	1023	1027

JANUARY

PERIOD: (PRIMARY) 1933-1971
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AREA 0003 NHA TRANG
12.2N 109.6E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT PCPN OB TIME	FREQ AT	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	1.8	.8	1.2	.0	0	.0	.0	3.7			.0	.2	.2		.0	36.7	
NE	1.1	.7	.4	.0	.0	.0	.0	2.2			*	.1	.2		.0	38.1	
E	.1	.0	.1	.0	.0	.0	.0	.2			.0	.0	*		.0	6.2	
SE	.0	.0	*	.0	.0	.0	0	*			.0	.0	.0		.0	1.6	
S	0	*	*	.0	.0	.0	.0	.1			.0	.0	.0		.0	1.9	
SW	.0	*	.0	.0	.0	.0	.0	*			.0	.0	*		.0	.4	
W	*	.0	.0	.0	.0	.0	.0	*			.0	*	*		.0	.7	
NW	.2	.1	.2	.0	.0	.0	.0	.5			.0	.1	.1		.0	5.6	
VAR	0	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	
CALM	*	.0	.0	.0	0	.0	.0	*			.0	.0	.2		.0	1.0	
TOT OBS	85	42	51	0	0	0	0			176	1	9	19		0	2411	2616
PCT	3.2	1.6	1.9	.0	.0	.0	.0	6.7				.3	.7		.0	92.2	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT PCPN OB TIME	FREQ AT	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	5.1	1.1	1.5	.0	.0	.0	.0	7.7			.0	.5	.3		.0	91.6	
06&09	2.6	2.1	2.9	.0	.0	.0	.0	7.2			.0	.2	1.1		.0	91.6	
12&15	2.6	1.5	2.3	.0	.0	.0	.0	6.4			.1	.1	.7		.0	92.5	
18&21	2.8	1.9	1.0	.0	.0	.0	.0	5.7			.2	.6	.8		.0	92.7	
TOT	86	43	51	0	0	0	0			178	2	9	19		0	2421	2629
PCT	3.3	1.6	1.9	.0	.0	.0	.0	6.8			.1	.3	.7		.0	92.1	

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TABLE 3

AREA 0003 NHA TRANG
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PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.0	9 8	18.4	8 9	2.2	.3		40.6	17.3	41.0	42.3	42.1	42.3	38.7	44.6	37.0	42.7
NE	6	9 8	19.5	8.5	1.4	.3		40.3	16.9	41.0	42.4	40.1	41.1	40.8	34.8	42.4	35.1
E	.6	3 4	1.9	4	*	.0		6.3	10.5	3.9	4.5	6.2	6.6	8.5	4.7	7.4	6.0
SE	.2	1 0	2	*	*	.0		1.5	7.7	1.5	.6	1.2	.9	2.4	.8	1.8	.7
S	.2	1.5	.4	*	*	.0		2.2	8.5	1.9	.9	1.8	2.4	2.6	1.7	2.8	2.3
SW	1	.3	.1	*	0	.0		.5	9.6	.6	.9	.3	0	.4	.6	.7	.5
W	.1	5	.1	.0	0	0		7	6.3	1.3	.0	.7	.7	.5	1.1	.5	.4
NW	.3	3 4	2.1	.5	.1	*		6.4	11.4	7.5	5 9	6.7	6.0	4.1	10.6	5.0	9.3
VAR	0	.0	0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1 6	.0	1.3	2.4	1 0	.0	2.1	1.1	2.5	2.8
TOT OBS	163	1016	1458	627	130	22	3416		15.6	617	165	698	271	634	181	569	281
TOT PCT	4 8	29.7	42 7	18.4	3.8	6		100 0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.2	17.6	14.7	4.4	.7		40.6	17.3	41.3	42.1	40.0	38.9
NE	3.3	17.4	15.3	3.6	.6		40.3	16.9	41.3	40.4	39.4	40.0
E	1 6	3.4	1 0	.1	.0		6.3	10.5	4.1	6.3	7.7	6.9
SE	.7	7	1	*	.0		1.5	7.7	1.3	1.1	2.0	1.5
S	8	1 3	*	1	.0		2.2	8.5	1.7	1 9	2.4	2.6
SW	.1	.3	.1	.0	.0		.5	9.6	.7	.2	.4	.6
W	5	2	.0	.0	.0		.7	6.3	1.1	.7	.6	.4
NW	1.7	3.5	.9	.3	*		6.4	11.4	7.1	6.5	5.6	6.4
VAR	0	0	.0	0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	1.5	.7	1.8	2.6
TOT OBS	466	1516	1098	290	46	3416		15.6	782	969	815	850
TOT PCT	13.6	44.4	32 1	8.5	1.3		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.5	3.1	29.9	43 9	17 6	3.2	.8	15.6	100.0	782
06&09	7	3.7	28.2	43 7	18 8	4.3	.6	16.0	100.0	969
12&15	1 8	2.7	30.2	41.8	18.9	4.2	.4	15.5	100.0	815
18&21	2 6	2.9	30.9	41.3	18.0	3.4	.8	15.3	100.0	850
TOT	56	107	1016	1458	627	130	22	15.6		3416
PCT	1.6	3.1	29.7	42.7	18.4	3.8	.6		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	5 0	6 4	15 7	13 3		5.7
NE	9 2	10 0	13.9	8 0		4 7
E	2 0	2 0	1 9	9		4.0
SE	8	2	.6	.2		3.7
S	1 1	.4	.5	.2		3.3
SW	2	2	1	*		2.9
W	3	4	.:	.0		3.0
NW	9	1 0	1 5	1.4		5.2
VAR	.0	0	0	.0		.0
CALM	5	4	3	3		4 4
TOT OBS	367	384	631	445	1827	5 0
TOT PCT	20.1	21 0	34 5	24 4	100 0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH) 4/8) AND OCCURRENCE OF MH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MH <5/8 ANY HGT	TOTAL OBS
.3	.1	.3	2.3	9.9	6 7	.8	.3	.8	.2	18.7	
.4	.1	.4	1.4	6.5	4.0	1.2	.6	.9	.2	25.3	
.0	.0	*	.0	.7	.8	.3	.0	.1	.0	4.9	
.0	.0	.0	*	0	.2	.2	.1	.1	.0	1.3	
.0	.0	.0	*	*	.2	.3	.1	.1	.0	1.5	
.0	.0	.0	.0	*	.0	.0	.0	.0	.0	.5	
.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.8	
.0	.0	.0	.1	.9	.5	.3	.0	.5	.0	2.6	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.1	0	.1	.0	.0	.0	.0	1.4	
14	4	13	71	332	226	57	20	44	7	1039	1827
.8	2	.7	3.9	18.2	12.4	3.1	1.1	2.4	.4	56.9	100.0

JANUARY

PERIOD. (PRIMARY) 1933-1971
(P ER-ALL) 1857-1971

AREA 0003 NHA TRANG
12.1N 109.6E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	2 0	2.7	2.7	2.8	2.8	2.8	2.8	2.8
= OR >5000	3.0	3.8	3.8	3.8	3 8	3.8	3.8	3.8
= OR >3500	5 0	6 8	6 9	6.9	6.9	6.9	6 9	6.9
= OR >2000	12 7	18 6	19.2	19.3	19.3	19.3	19.3	19.3
= OR >1000	23 2	35 5	37.2	37.3	37.3	37 5	37.5	37.5
= OR >600	24 9	38.3	40.7	41 1	41 1	41.3	41.3	41 3
= OR >300	25.1	38.8	41.4	41.8	41 8	42.0	42.0	42 0
= OR >150	25.2	39.0	41.6	42.0	42.0	42.2	42 2	42 2
= OR > 0	25 9	39.7	42.3	42 7	42.8	43 0	43 0	43.0
TOTAL	474	726	774	781	782	786	786	786

TOTAL NUMBER OF OBS: 1829 PCT FREQ NH <5/8. 57.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
5 4	8 5	17 7	12 7	12 2	8.6	12 0	6 2	16 4	2	1932

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PERIOD: (PRIMARY) 1933-1971
(OVER-ALL) 1857-1971

AREA 0003 NHA TRANG
12.1N 109.6E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	.0	.0	.0	.0	.0	.0	.0	*	.1	
	NO PCP	1	*	0	.0	0	.0	.0	*	.0	.0	.1	
	TOT %	1	*	0	.0	0	.0	.0	*	.0	*	.2	
1/2<1	PCP	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	
	NO PCP	1	*	.0	0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	1	*	.0	0	.0	.0	.0	.0	.0	.0	.1	
1<2	PCP	2	1	*	.0	.0	.0	.0	.1	.0	.0	.5	
	NO PCP	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	3	.2	*	.0	.0	.0	.0	.1	.0	.0	.5	
2<5	PCP	1.2	3	*	.0	0	.0	.0	.1	.0	.0	1.6	
	NO PCP	7	6	0	.0	0	.0	.0	.2	.0	.0	1.5	
	TOT %	1.9	.8	*	.0	0	.0	.0	.3	.0	.0	3.1	
5<10	PCP	1.6	9	1	.0	.0	.0	*	.1	.0	.0	2.8	
	NO PCP	8.7	6.3	.7	.2	.3	.1	.3	1.1	.0	.2	18.0	
	TOT %	10.4	7.2	8	.2	.3	1	.3	1.3	.0	.2	20.7	
10+	PCP	.6	.9	.1	*	.1	*	.0	.2	.0	.0	1.8	
	NO PCP	27.4	31.4	5.6	1.3	1.6	.4	.5	4.4	.0	1.0	73.6	
	TOT %	28.0	32.3	5.6	1.3	1.6	.4	.5	4.6	.0	1.0	75.3	
	TOT OBS												2615
	TOT PCT	40.8	40.5	6.5	1.6	1.9	.5	.8	6.2	.0	1.3	100.0	

PERIOD (PRIMARY: 1933-1971
(OVER-ALL) 1857-1971

AREA 0003 NHA TRANG
12.1N 109.6E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	0	0	.0	.0	.0	.0	.0	.0	.0	*	*	
<1/2	4-10	1	*	.0	.0	.0	.0	.0	.1	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.1	*	0	0	0	.0	.0	.0	0		.1	
	TOT %	1	.1	0	.0	.0	.0	.0	1	.0	*	.3	
	0-3	1	1	0	.0	.0	0	0	.0	.0	.0	.1	
1/2<1	4-10	1	0	0	0	.0	.0	.0	0	.0		.1	
	11-21	0	1	0	.0	.0	0	.0	.0	0		.1	
	22+	1	*	.0	.0	0	.0	.0	.0	.0		.1	
	TOT %	2	.2	0	.0	0	.0	0	.0	.0	.0	.3	
	0-3	.1	*	0	.0	0	.0	0	0	0	.0	.1	
1<2	4-10	2	1	*	.0	.0	.0	.0	.1	.0		.4	
	11-21	4	.1	0	.0	.0	.0	0	.1	.0		5	
	22+	*	1	0	.0	.0	.0	.0	0	0		.1	
	TOT %	6	3	*	0	.0	.0	.0	.1	.0	.0	1.1	
	0-3	0	.0	0	.0	0	.0	.0	*	.0	*	.1	
2<5	4-10	3	3	*	0	0	0	0	.2	.0		.9	
	11-21	1 1	5	.0	.0	0	.0	0	.2	.0		1.7	
	22+	1 1	4	.0	.0	0	0	0	*	.0		1.5	
	TOT %	2 5	1 2	*	0	0	.0	.0	4	.0	*	4.1	
	0-3	4	1	.1	*	.0	.0	1	1	0	2	.9	
5<10	4-10	2 1	1 6	5	.2	3	.1	2	.6	.0		5.5	
	11-21	4 1	3 0	2	.0	.0	0	0	.4	.0		7.6	
	22+	3 5	2 7	1	*	.0	.0	.0	.3	.0		6.6	
	TOT %	10 1	7 4	9	.2	3	.1	3	1.3	.0	2	20.7	
	0-3	6	.4	6	2	.1	.1	*	2	0	1.2	3.5	
10+	4-10	7 2	7 4	2 7	9	1 3	2	3	2 7	.0		22.6	
	11-21	13 4	16 1	1 8	2	.2	.1	1	1 5	.0		33.4	
	22+	6 3	7 0	.4	*	.1	*	.0	.2	.0		14 0	
	TOT %	27 6	30 9	5 4	1 3	1 7	4	4	4.6	0	1 2	73.5	
	TOT OBS												2985
	TOT PCT	41 1	40 0	6 3	1.5	1.9	4	7	6 5	.0	1 5	100.0	

PERIOD. (PRIMARY) 1933-1971
(OVER-ALL) 1857-1971

JANUARY

AREA 0003 NHA TRANG
12.1N 109.6E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.6	.0	1 0	3 9	18.4	13.6	3.7	1.4	2.5	.2	45.4	54.6	485
06&09	1 0	2	.6	3 9	20.8	11.8	3.3	.4	2.5	.6	45.2	54.8	485
12&15	9	.4	1 1	3.5	16.2	10.8	2.2	1.5	2.2	.4	39.1	60.9	463
18&21	.4	.2	.0	3.8	15.0	11.8	2.9	.9	2.2	.2	37.5	62.5	448
TOT	14	4	13	71	332	226	57	20	44	7	788	1093	1881
PCT	7	2	7	3 0	17.7	12.0	3.0	1.1	2 3	.4	41.9	58.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	4	0	2	2.1	19.0	78.3	474
06&09	2	.2	.4	2.5	17 3	79 3	473
12&15	2	.0	4	3 1	22 9	73.3	449
18&21	0	0	5	3.9	22.1	73.6	435
TOT	4	1	7	53	371	1395	1831
PCT	.2	.1	.4	2 9	20.3	76 2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.NH >4/8).BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.6	2.1	7.4	39.0	53.6	474
06&03	1.1	2.1	7.4	38.9	53.7	473
12&15	.9	2.7	8.2	32.3	59.5	449
18&21	.9	1.1	8.3	31.3	60.5	435
TOT	16	37	143	650	1038	1831
PCT	.9	2.0	7.8	35.5	56.7	100.0

PERIOD: (PRIMARY) 1933-1971
(OVER-ALL) 1857-1971

AREA 0003 NHA TRANG
12.1N 109.6E

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.1	.1	.0	.0	3	.2
85/89	0	0	.1	.2	.4	.5	.3	.1	28	1.5
80/84	.0	.0	.0	.2	1.9	6.4	5.6	1.4	283	15.4
75/79	.0	.0	.0	.2	2.7	16.1	26.1	16.0	1120	61.0
70/74	.0	.0	.0	.0	1.6	4.4	8.6	6.9	394	21.4
65/69	.0	.0	0	.0	.0	.1	.3	.1	9	.5
TOTAL	0	0	1	10	121	507	750	448	1837	100.0
PCT	.0	.0	.1	.5	6.6	27.6	40.8	24.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.1	.0	.1	*	.0	.0	.0	.0	.0
.5	.5	.1	.2	.2	.0	.0	.1	.0	.0
3.4	7.9	1.9	.5	.6	.1	*	.5	.0	.4
24.0	26.6	4.2	.9	1.3	.3	.5	2.5	.0	.6
12.2	5.9	.5	.2	.1	.1	.2	1.5	.0	.7
.3	.0	.0	.0	.0	.0	.1	.1	.0	.0
40.4	41.1	6.7	1.9	2.2	.5	.8	4.7	.0	1.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	88	84	81	77	72	70	67	76.6	768
06&09	90	88	84	78	73	70	68	78.4	928
12&15	88	83	81	77	72	70	68	76.5	792
18&21	87	81	79	75	72	70	68	75.6	845
TOT	90	86	82	77	72	70	67	76.8	3333

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.2	3.6	24.1	42.3	29.7	84	468
06&09	.0	2.0	12.1	38.0	34.9	13.0	80	461
12&15	.0	.2	6.6	25.6	45.4	22.2	83	454
18&21	.0	.0	3.9	23.0	40.7	32.4	85	460
TOT	0	11	121	510	752	449	83	1843

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PERIOD: (PRIMARY) 1933-1971
(OVER-ALL) 1857-1971

AREA 0003 NHA TRANG
12.1N 109.2E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
20/22	.0	.0	.0	.0	.0	.0	*	1	.0	*
17/19	.0	.0	.0	.0	.0	*	*	2	.0	.1
14/16	.0	.0	.0	.0	*	.1	.1	6	.0	.3
11/13	.0	.0	.0	.3	.2	.4	.0	20	.0	.8
9/10	.0	.0	.0	.2	.4	.2	.1	22	.0	.9
7/8	.0	.0	.1	.5	.8	.5	*	44	.0	1.8
6	.0	.0	.1	.7	.6	.1	.0	34	.0	1.4
5	.0	.0	.3	1.5	1.2	.2	.0	75	.0	3.1
4	.0	.0	.5	2.1	1.3	.1	.0	97	.0	4.1
3	.0	.0	1.3	2.4	.9	.0	.0	109	.0	4.6
2	.0	.3	2.9	6.1	2.0	.0	.0	270	.0	11.3
1	.0	.0	3.8	4.1	.7	.0	.0	205	.1	8.5
0	.0	.7	8.6	8.1	1.2	*	.0	447	.1	18.6
-1	.0	.3	4.3	4.8	.4	.0	.0	235	*	9.8
-2	.2	1.6	6.1	5.0	.1	.0	.0	310	.1	12.9
-3	.0	.8	3.2	2.4	.1	.0	.0	158	*	6.6
-4	*	1.6	3.7	1.8	.1	.0	.0	174	.0	7.3
-5	.2	.7	2.0	.8	.0	.0	.0	89	*	3.7
-6	.0	.6	.8	.3	.0	.0	.0	42	.0	1.8
-7/-8	.0	.5	.8	.2	.0	.0	.0	36	.0	1.5
-9/-10	.0	.2	.3	.1	.0	.0	.0	14	.0	.6
-11/-13	0	*	.1	.0	.0	.0	.0	4	.0	.2
TOTAL								2394		
PCT	.4	7.2	39.1	41.4	10.0	1.6	.3	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

AREA 0003 NHA TRANG
12.1N 109.6E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	2.5	0	0	.0	.0	2.8
1-2	.5	4.3	4.6	.0	.0	.0	9.5
3-4	0	1.2	6.3	1.8	.0	.0	9.3
5-6	0	.3	3.1	1.9	.1	.0	5.4
7	0	.0	1.6	2.6	.2	.0	4.4
8-9	.0	.1	.6	1.3	.3	.0	2.3
10-11	.0	.0	0	.4	.9	.1	1.4
12	.0	.0	0	.4	0	.0	1.2
13-16	.0	0	.2	.4	.5	*	1.2
17-19	.0	.0	.0	.1	.1	.5	.6
20-22	0	.0	.0	.0	.0	*	*
23-25	0	.0	.0	.0	.0	.1	.1
26-32	0	.0	.0	.0	.0	.0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	0	.0	.0	.0	.0
49-60	.0	0	0	.0	.0	.0	.0
61-70	.0	0	0	.0	.0	.0	.0
71-86	0	.0	0	.0	.0	.0	.0
87+	.0	0	.0	.0	0	.0	.0
TOT PCT	.9	8.4	16.4	8.8	2.9	.7	38.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.2	.1	.0	.0	.0	1.5
1-2	.1	5.2	4.1	.0	.0	.0	9.4
3-4	.1	1.4	8.1	2.8	.0	.0	12.4
5-6	.0	.4	5.1	1.9	*	0	7.5
7	.0	.1	2.0	1.9	.1	.0	4.1
8-9	.0	*	1.0	1.3	.2	.0	2.6
10-11	.0	.0	.5	1.1	.2	.0	1.8
12	.0	0	.0	.1	.5	.0	.6
13-16	.0	.1	.1	.4	.3	*	.9
17-19	.0	.0	.0	.0	.1	.2	.3
20-22	.0	.0	.0	.0	.4	.1	.5
23-25	.0	.0	.0	.0	.2	*	.3
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	8.5	21.0	9.6	2.0	.4	41.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.1	0	.0	.0	.0	1.4
1-2	1	1.9	1.4	.0	.0	.0	3.3
3-4	1	.6	1.4	.4	.0	.0	2.5
5-6	0	1	1	.2	.0	.0	.3
7	0	0	.1	.0	.0	.0	.1
8-9	0	0	1	.1	.0	.0	.2
10-11	.0	0	.0	.0	.0	0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	0	.0	.1	.0	.0	.1
17-19	0	0	.0	0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	0	0	.0	.0	.0	.0	.0
26-32	0	0	0	0	.0	.0	.0
33-40	.0	.0	0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	0	0	0	.0	0	.0	.0
61-70	.0	0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	0	0	.0	.0	.0	0	.0
TOT PCT	.4	3.7	3.1	.7	.0	.0	7.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.6	.0	.0	.0	.0	.6
1-2	.1	1.4	.3	.0	.0	.0	1.8
3-4	.0	.0	.1	*	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	*	.0	*	.0	.0	*
10-11	.0	0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	0	.0	.0	.0
87+	0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	2.0	.4	*	.0	.0	2.6

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TABLE 18

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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	5	0	.0	0	0	5
1-2	.1	1 5	1	.0	.0	0	1.7
3-4	0	2	.1	0	0	0	2
5-6	0	0	0	0	.0	0	0
7	.0	0	.0	.0	.0	0	0
8-9	0	1	.0	.0	0	.0	1
10-11	0	0	0	.0	.0	0	.0
12	0	.0	0	.0	0	.0	.0
13-16	0	0	.0	.0	0	0	.0
17-19	0	0	.0	.0	.0	0	.0
20-22	.0	0	0	.0	.0	0	.0
23-25	0	0	0	0	0	.0	.0
26-32	0	0	.0	0	0	0	.0
33-40	.0	0	0	.0	.0	.0	0
41-48	0	.0	0	.0	.0	0	.0
49-60	0	0	0	.0	.0	.0	0
61-70	.0	.0	0	0	0	0	.0
71-86	0	0	0	.0	.0	0	.0
87+	0	0	0	.0	.0	0	.0
TOT PCT	1	2 2	1	.0	0	.0	2.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2	.0	0	.0	.0	2
1-2	.0	.2	*	.0	.0	.0	.2
3-4	.0	.0	.0	0	.0	.0	0
5-6	.0	.0	.0	.0	.0	.0	.0
7	0	.0	.0	0	.0	.0	.0
8-9	.0	.0	.0	.0	0	.0	.0
10-11	0	.0	0	.0	.0	.0	.0
12	.0	.0	.0	0	.0	.0	.0
13-16	0	.0	.0	.0	.0	.0	.0
17-19	0	.0	.0	.0	.0	0	.0
20-22	.0	0	.0	.0	.0	.0	0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	0	.0	.0	.0
33-40	.0	.0	.0	0	.0	.0	.0
41-48	.0	.0	.0	.0	0	.0	.0
49-60	0	.0	.0	.0	.0	0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	0	.0	.0	.0	.0
87+	.0	.0	.0	.0	0	.0	.0
TOT PCT	*	.3	*	.0	.0	.0	.4

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	0	.3	0	0	.0	.0	.3
1-2	0	4	.2	0	.0	0	.6
3-4	1	0	0	.0	.0	.0	.1
5-6	0	0	0	0	.0	.0	.0
7	0	0	.0	0	0	.0	.0
8-9	.0	0	0	0	.0	.0	.0
10-11	0	0	.0	0	.0	.0	.0
12	0	0	0	.0	.0	.0	0
13-16	0	0	0	0	.0	.0	.0
17-19	0	.0	0	.0	0	.0	0
20-22	0	0	0	0	0	0	.0
23-25	0	0	0	0	.0	.0	.0
26-32	0	0	0	0	.0	.0	.0
33-40	0	0	0	.0	0	0	0
41-48	0	0	0	0	.0	.0	0
49-60	0	0	0	0	.0	.0	0
61-70	0	0	0	.0	0	0	.0
71-86	0	0	0	.0	0	0	0
87+	0	0	0	0	0	.0	.0
TOT PCT	1	8	2	0	0	0	1 0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.6	.0	.0	.0	.0	.6
1-2	.0	1.6	.8	.0	.0	.0	2.4
3-4	*	.2	.6	.0	.0	.0	.8
5-6	.0	.0	.2	.1	.0	.0	.3
7	.0	.0	.1	.1	.0	.0	.2
8-9	0	.0	.0	.0	.1	.0	1
10-11	.0	.0	.0	.0	*	.0	*
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	*	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	0	.0	.0	.0	.0	.0	.0
61-70	0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	0	.0
TOT PCT	*	2.4	1.6	.3	.1	.0	4.5

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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.6	7.0	.1	0	.0	.0	9.7	
1-2	9	16.5	11.4	0	0	.0	28.7	
3-4	3	3.6	16.4	5.0	.0	.0	25.3	
5-6	.1	.7	8.4	4.0	.2	.0	13.4	
7	.0	1	3.8	4.6	.2	.0	8.7	
8-9	.0	.2	1.8	2.7	6	.0	5.2	
10-11	0	.0	.5	1.5	1.1	.1	3.1	
12	.0	.0	0	.5	1.3	.0	1.8	
13-16	0	.1	.3	1.0	.8	.1	2.3	
17-19	.0	.0	.0	.1	2	.6	.9	
20-22	0	0	.0	.0	.4	.2	.6	
23-25	0	.0	.0	.0	.2	.1	.3	
26-32	0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	0	.0	.0	
49-60	.0	.0	.0	.0	0	.0	.0	
61-70	0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	0	0	
87+	0	.0	.0	0	.0	.0	.0	
								1239
TOT PCT	3.9	28.2	42.6	19.3	5.0	1.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.1	19.0	16.0	5.8	3.2	2.0	1.2	.3	7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	790	3
6-7	0	2.1	4.9	6.2	3.8	2.1	1.2	1.2	.9	.2	.1	.1	.0	0	.0	.0	.0	.0	.0	350	6
8-9	0	7	1.2	1.4	1.8	1.9	1.1	.5	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	148	8
10-11	0	3	4	.4	7	.4	.5	1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	50	8
12-13	0	0	.0	1	2	.3	1	3	.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	22	11
>13	0	0	0	.2	1	.1	1	1	.2	.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	21	14
INDET	3.1	1.6	1.4	1.3	.8	.8	.5	.2	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	158	4
TOTAL	96	363	368	236	163	118	73	40	55	13	9	4	1	0	0	0	0	0	0	1539	5
PCT	6.2	23.6	23.9	15.3	10.6	7.7	4.7	2.6	3.6	.8	.6	.3	.1	.0	.0	.0	.0	.0	.0	100.0	

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TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	8	4	4	.0	0	0	.0	1 7		.0	1	7	.1		35 9	
NE	2	3	2	0	0	0	.0	0		0	1	2	.0		34 9	
E	1	*	0	0	0	.0	.0	1		.0	0	.0	.0		7.6	
SE	.0	0	.0	0	0	0	.0	0		0	1	1	.0		3.4	
S	0	0	0	0	0	.0	.0	.0		1	.1	1	.0		3 3	
SW	1	0	0	.0	0	0	0	1		.1	.0	0	.0		1 2	
W	0	.0	0	.0	0	.0	.0	.0		.0	.1	0	0		1.5	
NW	2	2	.1	.0	.0	0	.0	4		0	1	1	.0		5 8	
VAR	.0	0	0	0	0	.0	.0	0		0	0	.0	.0		.:	
CALM	.0	0	0	0	0	.0	.0	.0		0	0	1	.0		1 5	
TOT OBS	26	19	15	0	0	0	0		60	2	8	22	1		1867	1959
TOT PCT	1 3	1 0	8	.0	.0	.0	.0	3 1		1	.4	1.1	.1		95.3	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	1 5	1.3	.6	.0	.0	.0	.0	3.5		.0	1 0	1.0	.0		94.6	
06&09	8	.6	.6	.0	.0	.0	0	2.0		0	.6	1 0	.2		95.3	
12&15	1.4	1.2	.8	0	.0	.0	0	3.4		.4	.0	1.6	.0		94.8	
18&21	1 0	7	1.*	.0	.0	.0	.0	3 5		0	.0	2	.0		96.3	
TOT	27	19	15	0	0	0	0		61	2	8	23	1		1873	1967
PCT	1.4	1 0	.8	0	.0	.0	.0	3.1		.1	4	1 2	.1		95.2	

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TABLE 3

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PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD
N	1 1	10 8	17 5	7 0	8	0		37 1	15 1
NE	1 2	10 6	16 2	5 7	5	0		34 2	14 6
E	1 0	4 9	1 6	2	1	0		7 7	8 5
SE	6	3 0	3	1	0	0		4 1	6 7
S	5	3 0	1 0	1	0	0		4 5	8.3
SW	4	9	2	0	0	0		1 4	6 7
W	7	8	1	0	0	0		1 6	4 9
NW	7	3 4	2 5	3	*	0		6.9	10.6
VAR	*	*	0	0	0	.0		.1	3 5
CALM	2 4							2.4	0
TOT OBS	230	1012	1061	359	37	0	2699		12 8
TOT PCT	8 5	37 5	39 3	13 3	1 4	0		100 0	

HOUR (GMT) 00	03	06	09	12	15	18	21
40.2	38 5	38 9	33.1	40 2	32 9	33.5	32.9
31.0	27.4	35.8	39.7	37 3	29.3	38.1	25.9
7 0	6 3	5 3	7 9	8 5	7.9	10.0	8 2
2 8	2.4	2.5	7 3	4.0	10 1	4.6	3.1
4 8	6.5	4 7	6 1	2 6	5 8	3.2	5.6
2 1	4 1	1 2	4	.5	1 8	1.2	2.2
2.6	2 7	1 3	.4	.4	2 5	.7	3.9
7 6	10.6	7 8	3 9	4.4	6.8	4.7	13.6
.0	0	2	0	.2	0	.0	0
1 9	1.4	2 3	1 2	1.4	2.9	4 0	4.7
476	146	521	253	486	139	424	254
100 0	100 0	100 0	100 0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD
N	5 2	17.3	11.9	2.5	.2		37.1	15.1
NE	5 2	15 6	11 7	1.6	.2		34.2	14.6
E	3 2	3 9	4	.1	*		7 7	8 5
SE	2 2	1.8	1	.0	0		4 1	6.7
S	1 9	2 3	2	0	0		4.5	8.3
SW	7	7	0	.0	0		1.4	6.7
W	1 1	4	0	0	0		1 6	4.9
NW	2 1	3.6	1.1	.1	*		6.9	10.6
VAR	1	0	0	.0	0		.1	3.5
CALM	2 4						2 4	.0
TOT OBS	657	1232	684	116	10	2699		12.8
TOT PCT	24 3	45 6	25 3	4 3	4		100.0	

HOUR (GMT) 00 03	06 09	12 15	18 21
39.8	37 0	38 6	33.3
30 1	37.1	35.6	33.5
6.9	6.2	8.6	9.3
2 7	4.1	5.4	4.0
5 2	5.1	3.3	4.1
2.6	.9	.8	1.5
2 6	1.0	.9	1.9
8 3	6.5	5.0	8.0
.0	.1	2	.0
1.8	1 9	1.8	4.3
622	774	625	678
100.0	100 0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

	WIND SPEED (KNOTS)									
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1 8	7 6	36 5	40 2	13.0	1.0	.0	12.7	100.0	622
06&09	1 9	5.4	38 3	38 2	14.7	1.4	0	13 0	100 0	773
12&15	1 8	4 8	39 9	37.8	13.6	2.1	.0	13 2	100 0	624
18&21	4 3	6 5	35 3	41 3	11 7	1 0	0	12.3	100 0	678
TOT	66	163	1011	1061	359	37	0	12 8		2697
PCT	2 4	6 0	37 5	39.4	13 3	1.4	.0		100 0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	7 8	8 6	14 6	8 3		5 0
NE	10 5	10 2	13 6	4 2		4 2
E	2 9	2 2	2 8	5		3 8
SE	1 7	9	2	0		2 3
S	9	6	5	1		3 3
SW	2	5	3	1		4 1
W	2	5	6	0		4 1
NW	1 7	7	2 0	1 2		4 9
VAR	1	0	0	0		0
CALM	5	3	3	1		3 3
TOT OBS	307	290	410	171	1178	4.4
TOT PCT	26 1	24 6	34 8	14 5	100 0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH) AND OCCURRENCE OF MH (5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7599	8000+	MH (5/8 ANY HGT	TOTAL OBS
N	1	0	.3	1.9	5.6	6.3	2 2	.3	1.2	.1	21.9	
NE	.5	0	3	1 3	5 0	4 6	7	.2	.2	*	25.6	
E	0	.0	1	.1	1.9	.8	0	.0	.0	.0	6.4	
SE	0	0	.0	.0	.1	.1	.0	.0	.0	.0	2.6	
S	0	0	.0	1	2	.1	1	0	.0	.0	1 7	
SW	.0	0	0	.0	.1	.0	.2	.0	.0	0	8	
W	0	0	0	.0	.1	.2	1	.0	0	.0	.9	
NW	0	.0	*	2	9	.5	6	.0	.2	0	2.7	
VAR	0	.0	0	.0	0	.0	.0	.0	.0	0	1	
CALM	0	0	0	.0	.2	.1	.0	.0	.0	.0	.9	
TOT OBS	8	0	8	42	156	151	45	6	19	1	742	1178
TOT PCT	.7	0	7	3 6	13 2	12.8	3.8	.5	1.6	.1	63.0	100.0

PERIOD: (PRIMARY) 1928-1971
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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
= OR >5000	1.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
= OR >3500	3.8	5.9	6.0	6.0	6.0	6.0	6.0	6.0
= OR >2000	13.8	18.7	18.8	18.8	18.8	18.8	18.8	18.8
= OR >1000	23.3	31.4	31.9	32.0	32.0	32.0	32.0	32.0
= OR >600	26.1	34.9	35.6	35.7	35.7	35.7	35.7	35.7
= OR >300	26.3	35.5	36.2	36.3	36.3	36.3	36.3	36.3
= OR >150	26.3	35.5	36.2	36.3	36.3	36.3	36.3	36.3
= OR > 0	26.8	36.2	36.9	37.0	37.0	37.0	37.0	37.0
TOTAL	316	426	435	436	436	436	436	436

TOTAL NUMBER OF OBS: 1178

PCT FREQ NH <5/8: 63.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.6	9.7	20.8	14.9	11.8	9.1	10.9	6.8	9.5	.0	1259

PERIOD: (PRIMARY) 1928-1971
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.1	.0	0	.0	.0	.0	.0	.1	.0	.0	.1	
	NO PCP	0	1	.0	.0	.0	.0	.0	0	.0	.0	.1	
	TOT %	1	.1	.0	.0	0	.0	.0	.1	.0	.0	.2	
1/2<1	PCP	.0	1	.0	.0	0	0	0	.0	.0	.0	.1	
	NO PCP	0	0	0	.0	.0	.0	.0	.0	.0	0	.0	
	TOT %	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1<2	PCP	1	1	0	.0	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.1	0	0	0	.0	.0	0	*	.0	.0	.2	
	TOT %	.2	1	.0	.0	.0	.0	0	*	.0	.0	.3	
2<5	PCP	3	*	.1	.0	.0	.0	.0	.1	.0	.0	.5	
	NO PCP	1.2	.2	1	.0	0	.0	.0	.3	.0	.0	1.8	
	TOT %	1.5	.3	.1	.0	.0	.0	.0	.4	.0	.0	2.3	
5<10	PCP	7	.3	.0	.0	.0	.1	0	.2	.0	0	1.2	
	NO PCP	8.2	5.0	7	.4	.5	.2	.3	1.8	.0	.2	17.3	
	TOT %	8.9	5.3	7	.4	.5	.2	.3	2.0	.0	.2	18.5	
10+	PCP	.6	3	*	0	0	0	.0	.1	.0	.0	1.0	
	NO PCP	27.2	29.9	6.9	3.0	3.0	1.0	1.3	3.9	.1	1.4	77.7	
	TOT %	27.7	30.2	7.0	3.0	3.0	1.0	1.3	4.0	.1	1.4	78.7	
	TOT OBS												1959
	TOT PCT	38.4	35.9	7.7	3.5	3.5	1.3	1.6	6.5	.1	1.5	100.0	

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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	0	0	0	*	0	0	0	*	0	*	1	
<1/2	4-10	0	0	0	0	0	0	0	0	0		0	
	11-21	*	*	0	0	0	0	0	*	0		1	
	22+	0	0	0	0	0	0	0	0	0		0	
	TOT %	*	*	0	*	0	0	0	1	0	*	3	
	0-3	0	0	0	0	0	0	0	0	0	0	0	
1/2<1	4-10	0	*	0	0	0	0	0	0	0		*	
	11-21	0	0	0	0	0	0	0	0	0		0	
	22+	0	0	0	0	0	0	0	0	0		0	
	TOT %	0	*	0	0	0	0	0	0	0	0	*	
	0-3	*	0	0	0	0	0	0	0	0	0	*	
1<2	4-10	5	*	0	0	*	*	0	0	0		5	
	11-21	2	*	0	0	0	0	0	*	0		2	
	22+	1	0	0	0	0	0	0	0	0		1	
	TOT %	8	1	0	0	*	*	0	*	0	0	9	
	0-3	0	0	0	0	0	0	*	0	0	1	1	
2<5	4-10	7	2	*	0	1	*	0	2	0		1 3	
	11-21	7	2	*	0	*	0	0	4	0		1 3	
	22+	4	1	0	0	0	0	0	*	0		5	
	TOT %	1 7	5	1	0	1	*	*	6	0	1	3 2	
	0-3	4	1	1	1	0	0	1	1	0	2	1 1	
5<10	4-10	3 1	1 2	6	3	3	2	1	1 1	0		6 9	
	11-21	2 7	2 2	1	*	1	*	1	6	0		5 7	
	22+	2 2	1 4	0	*	1	0	0	2	0		3 8	
	TOT %	8 4	4 9	7	5	5	2	3	1 9	0	2	17 5	
	0-3	7	7	8	5	3	4	5	4	*	2 1	6 4	
10+	4-10	6 3	8 7	4 6	2 5	2 4	5	7	1 6	*		27 3	
	11-21	15 1	14 4	1 5	3	9	2	0	1 7	0		34 3	
	22+	4 9	4 7	1	*	*	0	0	3	0		10 1	
	TOT %	27 0	28 5	7 0	3 3	3 7	1 1	1 2	4 0	1	2 1	78 1	
	TOT OBS												2265
	TOT PCT	37 9	33 9	7 9	3 8	4 3	1 4	1 5	6 6	1	2 4	100 0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MH >4/8) AND OCCURRENCE OF MH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MH <5/8 ANY HGT	TOTAL OBS
00&03	6	.0	1.2	4 1	15.1	14 0	5.2	.3	1.7	.0	42.2	57.8	344
06&09	3	0	.3	2.6	14.3	12.3	4.2	1.0	.6	0	35 7	64.3	308
12&15	1 3	0	7	3.0	10.4	11 8	2 4	.3	2.0	.0	32.0	68.0	297
18&21	.3	0	.3	4.1	10.0	10.7	2.4	3	1.7	.3	30.2	69.8	291
TOT	3	0	8	43	156	152	45	6	19	1	438	802	1240
PCT	.6	0	.6	3 5	12.6	12.3	3.6	.5	1.5	.1	35.3	64.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	0	0	.0	.6	17.2	82 1	319
06&09	.0	.0	.0	.3	13.6	86 1	295
12&15	0	.0	.0	1.4	16.8	81.8	285
18&21	0	.0	.4	1.8	15.4	82.4	279
TOT	0	0	1	12	186	979	1178
PCT	0	0	.1	1 0	15 8	83.1	100 0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	MH <5/8 AND 5+	TOTAL OBS
00&03	.6	1.9	6.6	38.5	54.9	319
06&09	.3	.7	3.7	33.6	62.7	295
12&15	1.4	2.1	6.0	27.4	66.7	285
18&21	.4	.7	7.2	25.1	67.7	279
TOT	8	16	69	370	739	1178
PCT	.7	1.4	5.9	31.4	62.7	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	0	0	.0	.0	.2	.1	.0	.0	3	.2
85/89	.0	0	.0	.1	.4	7	4	0	20	1.6
80/84	0	.0	.0	.1	1.5	7.9	5.2	1 1	193	15 8
75/79	0	0	0	2	2.0	16 0	28 2	13 6	735	60.0
70/74	0	.0	.0	.0	7	2 6	8 7	8 5	252	20 6
65/69	.0	0	.0	.0	.0	5	1 1	2	22	1 8
TOTAL	0	0	0	5	58	341	535	286	1225	100.0
PCT	0	.0	.0	4	4.7	27 8	43 7	23 3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.1	.1	0	0	.0	0	0	.0	.0	.0
3	.8	1	.2	.1	.0	1	.0	.0	.1
2 9	8.5	2 8	3	4	2	.0	.5	0	.2
21 3	25.1	4 8	2 0	1 8	.8	.9	2 2	2	1 0
13 0	4 1	.5	.1	.2	0	.3	2 2	.0	.2
1.3	2	0	.0	.0	0	0	.2	.0	.0
39 0	38 8	8 1	2 6	2.6	1.0	1.2	5.1	.2	1.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	88	85	82	77	71	69	68	76 8	601
06&09	90	87	84	79	73	70	56	78 6	743
12&15	89	85	82	77	72	69	68	76 8	612
18&21	85	81	80	76	71	69	66	75 7	679
TOT	90	86	82	77	72	69	66	77 0	2635

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	0	.0	3 3	26 3	39.8	30 5	84	334
06&09	0	1.3	8 9	41.1	41 1	7.6	79	302
12&15	.0	.3	4 8	24.8	46.2	23.8	83	290
18&21	0	0	2.3	19.0	47.9	30.8	85	305
TOT	0	5	59	342	537	288	83	1231

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.0	.0	.1	2	.0	.1
14/16	.0	.0	.0	.0	.0	.1	.0	1	.0	.1
11/13	0	.0	.0	.1	.3	.2	.2	13	.0	.7
9/10	.0	.0	.0	.1	.4	.3	.1	16	.1	.8
7/8	.0	.1	.0	1.3	1.1	.4	.0	53	.0	3.0
6	.0	.0	.4	.6	.3	.1	.0	25	.0	1.4
5	.0	.0	.5	1.1	1.2	.4	.0	57	.0	3.2
4	.0	.0	1.1	2.8	1.7	.2	.0	105	.0	5.9
3	.0	.1	1.1	2.0	.9	.2	.0	76	.1	4.2
2	.0	.1	3.4	4.5	2.0	.1	.0	180	.2	9.9
1	.0	.5	2.5	4.0	.9	.1	.0	142	.1	7.9
0	.0	1.1	7.3	9.3	2.1	.1	.0	354	.1	19.7
-1	.0	.7	3.6	4.9	.4	.1	.0	175	.0	9.8
-2	.1	1.6	6.6	5.9	.5	.0	.0	262	.0	14.6
-3	.2	.6	1.7	1.7	.3	.0	.0	79	.0	4.4
-4	.1	1.7	3.4	1.7	.2	.0	.0	126	.1	7.0
-5	.1	.9	1.6	1.0	.0	.0	.0	66	.0	3.7
-6	.1	.3	.3	.3	.0	.0	.0	20	.0	1.1
-7/-8	.0	.4	.8	.4	.0	.0	.0	28	.0	1.6
-9/-10	.0	.2	.3	.0	.0	.0	.0	9	.0	.5
-11/-13	.0	.1	.2	.0	.0	.0	.0	4	.0	.2
TOTAL								1793		
PCT	.5	8.3	34.8	41.7	12.4	2.1	.3	100.0	.4	99.6

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TABLE 18

AREA 0003 NHA TRANG
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	0	1.8	0	0	.0	0	1.8
1-2	.4	2 7	7 0	.0	.0	0	10.1
3-4	.0	1.6	9 9	1.5	.0	0	12.9
5-6	0	.3	3.0	2.2	.1	0	5.6
7	0	.0	1 1	1.9	.2	.0	3.2
8-9	0	.0	9	1.4	.6	.0	2.9
10-11	0	0	.0	7	3	.0	1.1
12	0	.0	.0	.0	.3	.0	.3
13-16	0	.0	0	.8	3	0	1.1
17-19	.0	.0	0	.0	.0	.0	.0
20-22	0	0	.	.0	.0	.0	.0
23-25	0	0	.(	.0	0	.0	.0
26-32	.0	0	0	.0	.0	.0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	0	.0	0	.0	0	0	.0
49-60	0	0	.0	.0	0	.0	.0
61-70	.0	0	0	.0	.0	.0	.0
71-86	0	0	0	.0	.0	.0	.0
87+	0	0	0	.0	.0	.0	.0
TOT PCT	4	6 3	21 8	8.5	1 9	.0	39.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1 7	.1	.0	.0	.0	2.1
1-2	.4	4.0	4.9	.0	.0	.0	9.4
3-4	.1	2 2	8.8	1.3	.0	.0	12.5
5-6	.0	7	5.5	1.4	.0	.0	7.6
7	.0	.5	2.0	1.6	.0	.0	4.1
8-9	.0	0	.7	1.3	*	.0	2.0
10-11	.0	.0	.3	1.0	.5	.0	1.8
12	.0	0	.0	.1	?	.0	.3
13-16	.0	.0	.0	.3	(	.0	.4
17-19	.0	.0	0	1	.0	.0	.1
20-22	.0	.0	.?	0	.0	.0	0
23-25	.0	.0	.0	.1	.0	.0	.1
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	0	0	.0	.0	.0	.0
41-48	.0	0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	9 1	22 4	7.4	.7	.0	40.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	3	1 2	0	0	.0	.0	1.4
1-2	3	1 9	1.0	.0	0	0	3.1
3-4	0	1 5	1 6	0	.0	.0	3 1
5-6	0	4	5	1	.0	.0	.9
7	0	0	.0	.1	.0	.0	.1
8-9	0	0	0	.0	.0	0	.0
10-11	0	0	1	0	.1	.0	.2
12	0	0	0	0	.0	.0	0
13-16	0	0	1	.0	0	.0	.1
17-19	0	0	0	.0	.0	.0	0
20-22	0	0	.0	0	.0	.0	.0
23-25	0	0	0	0	.0	0	0
26-32	0	0	0	0	0	.0	.0
33-40	0	0	0	0	0	.0	.0
41-48	0	0	0	0	0	.0	.0
49-60	0	0	.0	0	.0	0	0
61-70	0	0	0	0	.0	0	.0
71-86	0	0	0	0	0	0	0
87+	0	0	0	0	0	0	0
TOT PCT	5	4 9	3 3	2	1	.0	9 0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1	.7	.0	.0	.0	.0	.8
1-2	.1	1.0	.3	.0	.0	.0	1.5
3-4	.0	.1	.9	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	0	.0	.0	.0	0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	0	.0	0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	0	.0	.0	.0	.0
61-70	.0	0	.0	.0	.0	.0	.0
71-86	.0	0	.0	.0	.0	.0	.0
87+	0	0	0	.0	.0	.0	.0
TOT PCT	3	1.8	.3	0	.0	.0	2.4

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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.0	.0	.0	.0	.4
1-2	.1	.8	.0	.0	.0	0	.9
3-4	.0	.2	.2	.0	.0	.0	.4
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	0	.0
26-32	0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.4	.4	.0	.0	.0	1.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.3	.0	.0	.0	.0	.3
1-2	*	.4	.0	.0	.0	.0	.4
3-4	.0	.1	*	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	*	.7	*	.0	.0	.0	.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.4
1-2	.1	.1	.0	.0	.0	.0	.2
3-4	.0	.1	.0	.0	.0	.0	.1
5-6	.0	0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	0	.0	.0	.0	.0	.0
12	.0	0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	0	.0	.0	.0	.0	.0
26-32	.0	0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	0	.0	0	.0	.0	.0	.0
87+	0	.0	.0	.0	.0	0	.0
TOT PCT	.3	.5	.0	0	.0	.0	.7

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.7	.1	.0	.0	.0	1.0
1-2	.1	.8	.2	.0	.0	.0	1.2
3-4	.0	.5	1.1	.1	.0	.0	1.7
5-6	.0	.0	.4	.1	.0	.0	.5
7	.0	.0	.1	*	*	.0	.1
8-9	.0	.0	*	.1	.0	.0	.1
10-11	.0	.0	.0	*	*	.0	.1
12	.0	.0	.1	.0	*	.0	.2
13-16	.0	.0	.0	.1	*	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.0	2.0	.5	.1	.0	4.9

PERIOD: (OVER-ALL) 1963-1971

AREA 0003 NWA TRANG
12.1N 109.7E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.3	7.1	.3	.0	.0	0	9.7	
1-2	1.5	11.7	13.3	.0	.0	0	26.5	
3-4	.1	6.2	21.5	3.0	0	.0	30.8	
5-6	0	1.3	9.4	3.9	.1	0	14.7	
7	.0	.5	3.1	3.6	.3	0	7.5	
8-9	.0	0	1.7	2.7	.6	0	5.0	
10-11	.0	.0	.4	1.8	.9	0	3.1	
12	.0	.0	.1	.1	.5	.0	.8	
13-16	.0	.0	.1	1.2	.4	0	1.7	
17-19	.0	.0	.0	.1	.0	0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.1	.0	.0	.1	
26-32	.0	.0	.0	.0	.0	.0	0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								776
TOT PCT	4.0	26.8	49.5	16.5	2.8	0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.6	17.8	19.6	6.6	2.7	1.4	.9	.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	523	3
6-7	.0	1.4	5.3	5.4	3.3	1.9	1.3	.8	.2	.1	.0	.0	.0	.0	.0	.0	0	.0	.0	197	6
8-9	.0	.5	1.1	2.1	1.7	1.8	.8	.6	.9	.0	.0	.0	.0	.0	0	.0	0	.0	.0	95	7
10-11	.0	.1	.6	.0	.8	.7	.8	.1	.8	.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	43	10
12-13	.0	.0	.2	.0	.1	.1	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	7	11
>13	.0	.0	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	0	.0	.0	.0	.0	4	11
INDET	4.4	2.8	2.5	1.2	.8	1.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	130	3
TOTAL	70	226	293	153	94	70	41	16	28	3	2	2	0	1	0	0	0	0	0	999	4
PCT	7.0	22.6	29.3	15.3	9.4	7.0	4.1	1.6	2.8	.3	.2	.2	.0	.1	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1930-1[illegible]
(OVER-ALL) 1867-197[illegible]

AREA 0003 NHA TRANG
12.1N 109.6E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG W0 PCPN	SMOKE HAZE	DUST BLWG DUST BLWG	SNOW	NO SIG WEA	TOTAL OBS
N	.5	.5	.2	.0	.0	.0	.0	1.2		.0	.2	.9		*	23.0	
NE	.2	.2	.2	.0	.0	.0	.0	.7		.0	.1	.6		*	24.3	
E	.0	*	.1	.0	.0	.0	.0	.1		*	.0	.1		.0	9.0	
SE	0	.0	.0	.0	.0	.0	.0	.0		*	.1	.7		.0	10.3	
S	0	.0	.0	.0	.0	.0	.0	.0		*	.2	.5		.0	12.5	
SW	.0	.0	.0	.0	.0	.0	.0	.0		*	*	.3		.0	4.5	
W	.0	*	.0	.0	.0	.0	.0	*		.0	.0	.2		.0	2.0	
NW	.1	.1	.1	.0	.0	.0	.0	.2		.0	.2	.2		.0	4.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	.0	*	.0	.0	.0	.0	.0	*		.0	.0	.8		.0	2.5	
TOT OBS	22	25	16	0	0	0	0		62	4	21	116		1	2495	2699
TOT PCT	.8	.9	.6	.0	.0	.0	.0	2.3		.1	.8	4.3		*	92.4	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG W0 PCPN	SMOKE HAZE	DUST BLWG DUST BLWG	SNOW	NO SIG WEA	TOTAL OBS
00&03	1.0	1.2	.3	.0	.0	.0	.0	2.4		.0	.9	5.0		.1	91.5	
06&09	1.0	.6	.9	.0	.0	.0	.0	2.4		.1	.9	3.9		.0	92.7	
12&15	.7	.9	.4	.0	.0	.0	.0	2.1		.4	.6	4.3		.0	92.6	
18&21	.5	1.1	.8	.0	.0	.0	.0	2.1		.0	1.1	3.8		.0	92.9	
TOT	22	25	16	0	0	0	0		62	4	23	116		1	2515	2721
PCT	.8	.9	.6	.0	.0	.0	.0	2.3		.1	.8	4.3		*	92.4	

MARCH

PERIOD: (PRIMARY) 1930-1971
(OVER-ALL) 1867-1971

TABLE 3

AREA 0003 NHA TRANG
12.1N 109.6E

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.9	8.9	12.1	2.9	.1	.0		25.0	13.2	29.3	23.1	27.7	22.7	25.3	23.2	22.0	19.9
NE	1.2	10.8	12.0	2.3	.1	.0		26.4	12.5	25.1	22.7	28.8	26.9	30.8	17.1	28.2	19.9
E	1.2	6.3	1.4	.1	*	.0		9.0	7.5	7.5	5.2	7.9	10.8	11.2	9.2	9.9	9.4
SE	1.6	6.2	2.5	.2	.0	.0		10.5	8.1	6.7	14.6	9.8	17.6	12.4	11.1	8.8	8.1
S	1.9	7.4	4.1	.1	.0	.0		13.5	8.9	11.2	19.3	12.9	12.9	11.9	14.5	14.9	16.1
SW	.7	2.5	1.2	.1	0	.0		4.5	8.4	5.3	3.0	2.7	1.9	3.1	7.7	5.8	9.1
W	.4	1.4	.2	.0	.0	.0		1.9	6.0	4.6	1.5	.9	.4	.9	2.6	2.3	2.1
NW	.7	2.6	1.8	.1	*	0		5.3	9.8	6.9	5.5	5.5	4.3	1.9	9.0	3.6	9.3
VAR	.0	.0	.0	.0	.0	0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.9							3.9	.0	3.3	5.2	3.8	2.6	2.5	5.7	4.6	6.1
TOT OBS	463	1698	1296	211	12	0	3680		10.3	634	194	732	351	629	212	569	359
TOT PCT	12.6	46.1	35.2	5.7	.3	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	4.3	13.1	7.0	.6	.0		25.0	13.2	27.8	26.1	24.8	21.2
NE	4.7	14.7	6.3	.6	.0		26.4	12.5	24.5	28.2	27.3	25.0
E	4.8	3.8	.5	*	.0		9.0	7.5	7.0	8.8	10.7	9.7
SE	5.0	4.6	.9	*	.0		10.5	8.1	6.6	12.3	12.0	8.5
S	5.0	7.3	1.1	*	.0		13.5	8.9	13.1	12.9	12.5	15.3
SW	2.0	2.3	.3	.0	.0		4.5	8.4	4.8	2.4	4.3	7.1
W	1.3	.6	*	.0	.0		1.9	6.0	3.9	.7	1.3	2.2
NW	1.8	2.7	.8	.1	.0		5.3	9.8	6.6	5.1	3.7	5.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.9						3.9	.0	3.7	3.4	3.3	5.2
TOT OBS	1207	1807	519	47	0	3680		10.3	828	1083	841	928
TOT PCT	32.8	49.1	16.8	1.3	.0		100.0		100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1930-1971
(OVER-ALL) 1867-1971

AREA 0003 NHA TRANG
12.1N 109.6E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.7	10.7	48.7	31.6	4.8	.4	.0	9.6	100.0	828
06&09	3.4	7.7	43.6	39.2	6.0	.2	.0	10.8	100.0	1083
12&15	3.3	8.1	45.8	35.9	6.7	.2	.0	10.6	100.0	841
18&21	5.2	8.5	47.2	33.2	5.4	.5	.0	10.1	100.0	928
TOT	144	319	1698	1296	211	12	0	10.3		3680
PCT	3.9	8.7	46.1	35.2	5.7	.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	6.5	5.2	7.2	5.0		4.5
NE	8.5	7.5	6.7	3.0		3.9
E	4.5	2.8	2.0	3		3.1
SE	6.9	2.5	2.0	5		2.7
S	6.7	2.8	2.3	1		2.6
SW	2.9	1.0	1.8	.2		3.1
W	1.4	5	7	3		3.3
NW	1.3	8	1.6	9		4.5
VAR	0	0	0	0		.0
CALM	1.9	9	7	2		2.7
TOT OBS	712	418	438	184	1752	3.6
TOT PCT	40.6	23.9	25.0	10.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH)4/8) AND OCCURRENCE OF MH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MH <5/8 ANY HGT	TOTAL OBS
1	0	.3	.6	2.8	5.1	.5	*	.2	.1	14.4	
.0	.1	*	.8	2.6	2.1	.4	.1	.1	*	19.5	
.0	.0	1	.2	.5	.5	.1	.0	.0	*	8.2	
.0	0	0	.1	.1	.3	1	.0	*	.0	11.3	
.0	0	.0	.0	.4	.7	.1	.0	*	.0	10.6	
.0	0	.0	.0	.2	.5	.2	.0	.0	.0	5.0	
.0	0	.0	1	.2	.3	.1	.0	.0	.0	2.3	
*	.0	.1	1	6	.8	*	.0	.0	.0	2.9	
0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	1	1	.2	.3	.0	.0	.1	.0	3.0	
2	1	10	34	132	186	24	2	7	2	1352	1752
.1	.1	.6	1.9	7.5	10.6	1.4	.1	.4	.1	77.2	100.0

MARCH

PERIOD (PRIMARY) 1930-1971
(OVER-ALL) 1867-1971

AREA 0003 NHA TRANG
12.1N 109.6E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >8500	4	5	.5	.5	.5	.5	.5	.5
= OR >5000	5	6	6	.6	.6	.6	.6	.6
= OR >3500	1 5	1 9	2.0	2.0	2.0	2.0	2.0	2.0
= OR >2000	8 6	12 2	12.5	12.5	12.5	12.5	12.5	12.5
= OR >1000	13 7	19 3	20.0	20.0	20.0	20.0	20.0	20.0
= OR >600	14.6	21.1	21.9	22.0	22.0	22.0	22.0	22.0
= OR >300	14 9	21 6	22.5	22.5	22 5	22.5	22.5	22.5
= OR >150	14.9	21.7	22.5	22.6	22.6	22.6	22.6	22.6
= OR > 0	15.0	21 8	22.7	22.7	22.7	22.7	22.7	22.7
TOTAL	265	385	400	401	401	401	401	401

TOTAL NUMBER OF OBS: 1763

PCT FREQ NH <5/8: 77.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
14.7	13.6	26.2	14.5	8.3	5.8	7.3	2.9	6.8	.0	1843

PERIOD: (PRIMARY) 1930-1971
(OVER-ALL) 1867-1971

AREA 0003 NHA TRANG
12.1N 109.6E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	*	*	.0	*	.0	.0	.0	.0	.0	.1	
	TOT %	.0	*	*	.0	*	.0	.0	.0	.0	.0	.1	
	PCP	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	0	.0	.0	.0	.0	.0	.0	.0	.0	*	
	PCP	1	*	.0	.0	.0	0	.0	*	.0	.0	.1	
1<2	NO PCP	.1	.1	.0	.0	*	.0	.0	.0	.0	.0	.2	
	TOT %	2	.1	.0	.0	*	.0	.0	*	.0	.0	.3	
	PCP	.4	.2	.0	.0	.0	0	.0	.1	.0	.0	.6	
2<5	NO PCP	1.6	.5	.0	*	.3	.1	.0	.1	.0	.0	2.6	
	TOT %	2.0	.7	.0	*	.3	.1	.0	.1	.0	.0	3.2	
	PCP	.5	.2	.1	.0	.0	.0	.0	.1	.0	.0	.9	
5<10	NO PCP	6.2	4.7	.9	1.5	1.8	.7	.4	1.4	.0	1.3	18.9	
	TOT %	6.7	5.0	.9	1.5	1.8	.7	.4	1.5	.0	1.3	19.9	
	PCP	.3	.2	.1	.0	.0	.0	*	.0	.0	*	.6	
10+	NO PCP	16.3	19.7	8.3	9.5	11.1	4.0	1.8	3.1	.0	2.0	75.9	
	TOT %	16.5	20.0	8.3	9.5	11.1	4.0	1.9	3.1	.0	2.0	76.5	
	TOT OBS												2699
	TOT PCT	25.4	25.7	9.3	11.1	13.3	4.9	2.3	4.8	.0	3.3	100.0	

MARCH

PERIOD: (PRIMARY) 1930-1971
(OVER-ALL) 1867-1971

AREA 0003 NHA TRANG
12.1N 109.6E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	*	*	.0	*	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	*	*	.0	*	.0	.0	.0	.0	.0	.1	
	0-3	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
1/2 <1	4-10	.1	.1	.0	.0	.0	.0	.0	*	.0		.2	
	11-21	.1	*	.0	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.1	0	.0	.0	.0	.0	*	.0	.0	.3	
	0-3	.1	.0	.0	.0	*	.0	.0	.0	.0	.0	.1	
1 <2	4-10	.1	.3	.0	.0	.0	.0	.0	*	.0		.5	
	11-21	.3	.1	.0	.0	.0	.0	.0	*	.0		.4	
	22+	*	.0	.0	.0	.0	.0	.0	*	.0		*	
	TOT %	.5	.3	.0	.0	*	.0	.0	.1	.0	.0	.9	
	0-3	.0	.0	.0	.0	.2	*	.0	.0	.0	.0	.3	
2 <5	4-10	1.1	.3	*	*	.1	*	.0	.1	.0		1.7	
	11-21	.7	.5	*	0	.0	.0	.0	.2	.0		1.4	
	22+	.3	.1	.0	.0	.0	.0	.0	.0	.0		.4	
	TOT %	2.1	.9	.1	*	.3	.1	.0	.3	.0	.0	3.7	
	0-3	.2	.3	.1	.1	.2	.2	.1	.2	.0	1.3	2.8	
5 <10	4-10	2.2	1.7	.5	.8	.8	.4	.3	.7	.0		7.4	
	11-21	2.9	1.9	.2	.5	.6	.1	*	.6	.0		6.9	
	22+	1.0	.6	.0	.0	*	.0	.0	.1	.0		1.8	
	TOT %	6.4	4.6	.8	1.4	1.7	.7	.4	1.5	.0	1.3	18.9	
	0-3	.6	.9	.9	1.2	1.2	.5	.4	.6	.0	2.3	8.4	
10+	4-10	5.4	8.1	5.9	5.7	6.4	2.1	1.3	1.5	.0		36.4	
	11-21	8.6	9.5	1.2	2.2	3.5	1.2	.1	1.1	.0		27.4	
	22+	1.8	1.6	.2	.2	*	.1	.0	*	.0		3.9	
	TOT %	16.5	20.0	8.1	9.3	11.2	3.8	1.8	3.2	.0	2.3	76.1	
	TOT OBS												3107
	TOT PCT	25.7	26.0	9.0	10.7	13.2	4.6	2.2	5.1	.0	3.6	100.0	

MARCH

PERIOD: (PRIMARY) 1930-1971
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT.	TOTAL OBS
00&03	.2	.0	1.0	1.7	7.8	12.4	1.5	.0	.4	4	25.4	74.6	477
06&09	.0	2	.4	2.2	7 1	9.5	.1.1	.2	.2	.0	21.0	79.0	462
12&15	2	.3	0	1.6	7.4	8.3	1.3	.2	.4	.0	19.6	80.4	445
18&21	2	.0	.7	2.0	6.6	10.7	1.4	.0	.5	.0	22.0	78.0	440
TOT	3	1	10	34	132	187	24	2	7	2	402	1422	1824
PCT	.2	.1	.5	1.9	7 2	10.3	1.3	.1	.4	.1	22.0	78.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	0	0	.2	1.3	16.1	82.4	459
06&09	0	.0	.0	1.1	16.4	82.5	451
12&15	0	0	0	.7	21.0	78.3	428
18&21	0	.0	.0	1.2	21 9	76.9	425
TOT	0	0	1	19	331	1412	1763
PCT	0	.0	1	1 1	18 8	80 1	100 0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.2	1.3	4.1	22.0	73.9	459
06&09	.0	.7	3.8	18.0	78.3	451
12&15	.2	.2	2.6	18.0	79.4	428
18&21	2	.9	4.2	19.1	76.7	425
TOT	3	14	65	340	1358	1763
PCT	.2	.8	3.7	19.3	77.0	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.1	.4	.3	.1	.0	14	.8
85/89	.0	.0	.0	.1	1.9	3.0	1.2	.1	108	6.3
80/84	.0	.0	.0	.1	3.0	18.1	16.4	5.1	737	42.7
75/79	.0	.0	.0	.0	.5	10.6	20.9	11.7	753	43.7
70/74	.0	.0	.0	.0	.1	.4	2.4	3.4	109	6.3
65/69	.0	.0	.0	.0	.0	.0	.0	.2	3	.2
TOTAL	0	0	0	5	101	559	707	352	1724	100.0
PCT	.0	.0	0	.3	5.9	32.4	41.0	20.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.1	.1	.1	.1	.2	.1	*	*	.0	.0
.7	1.9	.9	1.2	.8	.3	.1	*	.0	.3
5.3	11.5	5.0	6.9	6.8	3.8	.9	1.0	.0	1.5
13.3	12.2	3.2	3.6	3.3	1.8	1.7	2.2	.0	2.4
3.6	1.4	.1	.0	.1	.0	.1	1.0	.0	.1
*	.1	.0	.0	.0	.0	.0	.1	.0	.0
23.1	27.1	9.2	11.9	11.2	6.0	2.8	4.3	.0	4.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	92	90	86	79	73	71	69	79.2	797
06&09	94	90	87	81	75	72	68	81.2	1052
12&15	92	89	85	79	73	70	68	79.2	815
18&21	85	83	82	78	73	70	60	77.7	925
TOT	94	90	86	79	73	71	68	79.4	3589

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.2	5.8	28.3	41.1	24.5	83	445
06&09	.0	.9	14.6	44.9	31.2	8.3	78	445
12&15	.0	.0	1.7	34.1	45.9	18.3	83	410
18&21	.0	.0	.7	22.8	46.7	29.8	85	443
TOT	0	5	101	567	717	353	82	1743

MARCH

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.1	.0	.0	.1	.0	4	.0	.2
14/16	.0	.0	.0	.0	.0	2	.2	*	13	.0	.5
11/13	.0	.0	.0	.0	.2	.4	.3	*	23	*	.9
9/10	.0	.0	.0	.0	.2	.5	.2	*	22	.0	.9
7/8	.0	.0	.0	.4	.5	.9	.3	.0	51	.0	2.1
6	.0	.0	.1	.4	.5	.7	.2	.0	42	.0	1.7
5	.0	*	.2	.2	1.4	.9	.1	.0	70	*	2.8
4	.0	.1	.4	1.1	2.5	.7	.0	.0	116	*	4.7
3	.0	.0	.1	.7	2.1	.2	.0	.0	78	.0	3.2
2	.0	.1	1.4	3.7	5.5	.4	.0	.0	269	.0	11.1
1	.0	.2	.9	3.7	3.2	.5	.0	.0	205	.0	8.4
0	*	.7	2.9	10.3	7.2	.2	.0	.0	518	.3	21.0
-1	.0	*	1.6	6.0	2.6	*	.0	.0	251	.0	10.3
-2	*	.4	2.8	7.8	2.6	.0	.0	.0	332	.2	13.4
-3	.0	.2	1.6	2.8	.8	.1	.0	.0	134	.0	5.5
-4	*	.3	2.0	2.2	1.1	.0	.0	.0	136	.0	5.6
-5	*	.2	2.0	1.2	.2	.0	.0	.0	86	*	3.5
-6	.0	.2	.4	.9	*	.0	.0	.0	37	.0	1.5
-7/-8	*	.2	.1	.8	*	.0	.0	.0	31	.0	1.3
-9/-10	*	.0	.2	*	.0	.0	.0	.0	7	.0	.3
-11/-13	.0	.0	*	.0	.0	.0	.0	.0	1	.0	*
-14/-16	.0	*	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL									2428		
PCT	.2	2.7	17.0	42.4	30.4	5.7	1.4	.1	100.0	.7	99.3

MARCH

PERIOD (OVER-ALL) 1963-1971 — TABLE 18 — AREA 0003 NMA TRANC 12.1N 109.6E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	4	1 9	1	0	.0	0	2.4
1-2	2	2 9	5 1	.0	0	.0	8.1
3-4	.0	1 2	5 6	1 3	.0	.0	8.2
5-6	.0	2	2 0	.6	.1	0	2.9
7	0	.1	1.0	9	0	.0	2.0
8-9	0	0	.1	.4	.0	.0	.5
10-11	0	0	.0	.2	.0	0	.2
12	0	.0	0	.1	0	.0	1
13-16	0	.0	1	.1	0	.0	.1
17-19	0	.0	0	0	.0	0	.0
20-22	.0	.0	0	.0	.0	.0	0
23-25	0	.0	.0	.0	0	.0	.0
26-32	0	0	0	.0	.0	0	
33-40	0	0	0	.0	0	.0	
41-48	0	0	.0	0	.0	.0	
49-60	0	.0	0	0	.0	.0	
61-70	.0	.0	0	0	.0	0	.
71-86	0	0	0	.0	.0	.0	.0
87+	.0	0	0	.0	.0	.0	.0
TOT PCT	.6	6.2	14.0	3.5	1	.0	24.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	2.1	.1	.0	.0	0	2.6
1-2	.2	3 6	3.6	.0	0	.0	7.4
3-4	.2	2.4	6.7	1.0	.0	.0	10.3
5-6	.1	2	3.6	.5	.2	.0	4.6
7	.0	.0	1.5	.5	.0	.0	2.0
8-9	.0	.0	3	.6	.0	.0	.9
10-11	0	*	.4	.2	.0	.0	.6
12	.0	.0	1	.1	.0	.0	.2
13-16	.0	.0	.1	.3	.1	.0	.5
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	0
TOT PCT	.9	8 3	16.4	3.2	.3	0	29.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	4	1.9	0	.0	0	.0	2.4
1-2	3	2 7	1.1	.0	.0	.0	4.0
3-4	0	1 3	5	.1	0	.0	1.9
5-6	0	0	[illegible]	.0	0	.0	.0
7	0	.0	[illegible]	.0	.0	.0	.1
8-9	0	0	[illegible]	1	.0	.0	.1
10-11	0	.1	[illegible]	0	0	.0	.1
12	0	0		.0	.0	.0	.0
13-16	0	0	0	.0	.0	.0	.0
17-19	0	.0	0	0	.0	.0	.0
20-22	0	.0	.0	[illegible]	0	.0	.0
23-25	0	.0	.0	[illegible]	0	0	.0
26-32	0	0	0	.0	0	.0	.0
33-40	0	.0	0	.0	.0	.0	.0
41-48	0	.0	.0	0	.0	0	.0
49-60	0	0	.0	.0	.0	.0	.0
61-70	0	0	.0	.0	0	.0	0
71-86	0	0	0	0	0	0	0
87+	0	0	.0	.0	0	0	0
TOT PCT	7	6 0	1 7	.3	0	0	8.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	[illegible].5	*	.0	.0	.0	3.0
1-2	.1	2 7	2.8	.0	.0	.0	5.6
3-4	.5	1.0	3	.3	.0	.0	2.1
5-6	.0	0	.1	.0	.0	.0	.1
7	.0	0	.0	.0	.0	.0	.0
8-9	.0	0	0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	0	0	.0	.0	.0	.0	.0
17-19	.0	.0	0	.0	.0	.0	.0
20-22	.0	0	.0	.0	.0	.0	.0
23-25	0	0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	0	.0	.0	.0	.0	.0
41-48	0	0	.0	.0	0	.0	.0
49-60	0	0	0	.0	0	.0	0
61-70	0	0	.0	.0	.0	.0	.0
71-86	.0	0	.0	.0	.0	.0	.0
87+	0	.0	.0	.0	.0	.0	.0
TOT PCT	1 1	6 2	3 2	.3	0	.0	10.8

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.6	.2	.0	.0	.0	2.4
1-2	.4	3.7	2.7	.0	.0	.0	6.8
3-4	.0	.5	1.8	.1	.0	.0	2.4
5-6	.0	.0	.3	.0	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	5.9	5.0	.1	.0	.0	12.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.8	.1	.0	.0	.0	2.3
1-2	.0	1.1	1.7	.0	.0	.0	2.8
3-4	.0	.2	.3	.0	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	5.6						

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	5	1.9	.0	.0	.0	.0	2.3
1-2	.0	1	.0	.0	.0	.0	.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	0	0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	0	.0	.0	.0	.0	0	.0
10-11	.0	0	.0	.0	0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	0	.0	0	.0	.0	.0	.0
49-60	.0	0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.0	.1	.0	.0	.0	2.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	.7	.0	.0	.0	.0	1.8
1-2	.0	1.0	.7	.0	.0	.0	1.7
3-4	.0	.1	.6	.1	.0	.0	.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	1.8	1.5	.2	.0	.0	4.6

PERIOD (OVER-ALL) 1963-1971

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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7 9	14 1	5	0	0	0	22 5	
1-2	1.2	17 6	17 3	0	0	0	36 1	
3-4	7	6 6	15 6	3 0	0	0	25 9	
5-6	1	4	6 0	1 1	3	0	7 8	
7	0	1	2 8	1 3	0	0	4 2	
8-9	0	0	.4	1 2	0	0	1 6	
10-11	0	1	5	4	0	0	9	
12	0	0	1	2	0	0	3	
13-16	0	0	2	4	1	0	7	
17-19	0	0	0	0	0	0	0	
20-22	0	0	0	0	0	0	0	
23-25	0	0	0	0	0	0	0	
26-32	0	0	0	0	0	0	0	
33-40	0	0	0	0	0	0	0	
41-48	0	0	0	0	0	0	0	
49-60	0	0	0	0	0	0	0	
61-70	0	0	0	0	0	0	0	
71-86	0	0	0	0	0	0	0	
87+	0	0	0	0	0	0	0	
								1072
TOT PCT	10 0	38 9	43 2	7 6	4	0	100 0	

PERIOD (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3 5	25 3	16 8	3 8	2 4	2	1	0	1	0	0	0	0	0	0	0	0	0	0	724	3
6-7	1	2 2	4 2	3 7	3 0	1 2	.8	0	4	1	1	0	0	0	0	0	0	0	0	216	5
8-9	0	6	9	1 4	1 6	1 1	4	2	3	0	0	0	0	0	0	0	0	0	0	90	6
10-11	0	.3	.3	3	4	3	1	.1	1	0	0	0	0	0	0	0	0	0	0	26	6
12-13	.0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	3	7
>13	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	.0	0	0	2	8
INDET	10 5	4.6	5 0	1 7	1 0	.3	1	1	0	.0	0	0	0	0	0	0	0	0	0	325	2
TOTAL	196	457	377	152	116	43	24	7	12	1	1	0	0	0	0	0	0	0	0	1386	3
PCT	14 1	33 0	27.2	11 0	8 4	3 1	1.7	.5	9	1	1	0	0	0	0	0	0	0	0	100 0	

APRIL

PERIOD: (PRIMARY) 1929-1971
(OVER-ALL) 1857-1971

AREA 0003 NHA TRANG
12.1N 109.7E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	PRECIPITATION TYPE DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT PCPN OB TIME	FREQ AT	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.4	.2	.1	.0	.0	.0	.0	.7			.2	.0	1.4		.0	12.5	
NE	.1	.2	*	0	.0	.0	.0	.3			.2	.0	.6		.0	19.2	
E	.1	.1	.0	.0	.0	.0	.0	.2			.2	.0	.2		.0	13.5	
SE	*	.0	.0	.0	.0	.0	.0	*			.1	.1	.8		.0	14.8	
S	.0	.0	.1	.0	.0	.0	.0	.1			.1	.1	1.1		*	10.4	
SW	.0	.0	.0	.0	.0	.0	0	.0			*	*	.2		.0	5.4	
W	*	.0	.0	.0	.0	.0	.0	*			*	.1	.2		.0	1.4	
NW	.2	.1	.0	.0	.0	.0	.0	.3			*	.0	.5		.0	3.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	
CALM	.1	.0	.0	.0	.0	.0	.2	.1			.0	.0	.6		*	3.3	
TOT OBS	24	16	4	0	0	0	0			44	22	6	148		2	2413	2632
TOT PCT	.9	.6	.2	.0	.0	.0	.0	1.7			.8	.2	5.6		.1	91.7	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	PRECIPITATION TYPE DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT PCPN OB TIME	FREQ AT	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	1.1	.7	.1	.0	0	.0	.0	1.9			.0	.3	6.4		.3	91.1	
06&09	.8	.6	.0	.0	.0	.0	.0	1.4			.2	.2	7.0		.0	91.5	
12&15	.6	.6	.2	.0	.0	.0	.0	1.4			1.0	.2	4.8		.0	92.6	
18&21	1.1	.5	.3	.0	.0	.0	.0	1.8			2.3	.3	4.1		.0	91.8	
TOT	24	16	4	0	0	0	0			44	22	6	148		2	2426	2645
PCT	.9	.6	.2	.0	.0	.0	.0	1.7			.8	.2	5.6		.1	91.7	

APRIL

PERIOD: (PRIMARY) 1929-1971
(OVER-ALL) 1857-1971

AREA 0003 NHA TRANG
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TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	1.1	6.1	6.0	.9	*	.0		14.2	11.4	15.6	18.3	16.4	11.4	12.0	12.5	13.1	13.8
NE	1.4	10.8	7.1	.5	*	.0		19.7	10.0	19.4	18.2	19.2	20.3	24.2	19.9	19.4	13.7
E	1.9	9.1	2.2	.1	.0	.0		13.3	7.5	11.9	8.2	13.0	14.3	15.6	13.9	15.7	9.6
SE	2.3	10.9	2.6	.1	.0	.0		16.0	7.4	12.4	12.6	15.0	22.1	20.0	16.7	15.7	14.6
S	2.1	11.6	6.6	.1	0	.0		20.4	9.1	18.4	27.9	20.0	22.4	19.9	18.1	19.8	22.0
SW	.7	3.8	1.7	.0	0	.0		6.2	8.2	9.6	4.5	5.4	5.4	3.4	5.4	6.1	7.9
W	.4	.9	.2	*	.0	.0		1.6	7.0	2.8	.8	1.8	.2	.8	1.3	1.4	2.7
NW	.5	2.4	.9	.3	.0	.0		4.1	9.9	5.1	5.2	3.9	3.0	2.0	7.1	2.8	7.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.6							4.6	.0	4.7	4.4	5.3	1.0	2.0	5.1	6.0	7.7
TOT OBS	542	2012	988	74	2	0	3618		8.6	680	183	734	307	598	156	635	325
TOT PCT	15.0	55.6	27.3	2.0	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	3.1	8.4	2.5	.3	.0		14.2	11.4	16.2	14.9	12.1	13.4
NE	5.7	11.9	2.0	.1	*		19.7	10.0	19.2	19.5	23.3	17.5
E	6.4	6.6	.3	.0	.0		13.3	7.5	11.1	13.4	15.2	13.6
SE	8.4	7.0	.6	*	.0		16.0	7.4	12.4	17.1	19.3	15.3
S	7.0	11.7	1.6	*	.0		20.4	9.1	20.4	20.7	19.5	20.6
SW	2.6	3.3	.3	.0	.0		6.2	8.2	8.5	5.4	3.8	6.7
W	.9	.6	.1	*	.0		1.6	7.0	2.4	1.3	.9	1.8
NW	1.3	2.2	.5	.1	.0		4.1	9.9	5.1	3.6	3.1	4.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.6						4.6	.0	4.6	4.0	2.7	6.6
TOT OBS	1445	1867	287	18	1	3618		8.6	863	1041	754	960
TOT PCT	39.9	51.6	7.9	.5	*		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1929-1971
(OVER-ALL) 1857-1971

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.6	11.7	56.0	25.6	2.1	.0	.0	8.5	100.0	863
06&09	4.0	11.0	56.2	26.3	2.4	.0	.0	8.6	100.0	1041
12&15	2.7	9.4	53.6	32.2	2.0	.1	.0	9.2	100.0	754
18&21	6.6	9.4	56.3	26.0	1.7	.1	.0	8.4	100.0	960
TOT	165	377	2012	988	74	2	0	8.6		3618
PCT	4.6	10.4	55.6	27.3	2.0	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.2	3.4	6.1	2.3		4.7
NE	5.9	6.9	6.7	1.1		3.9
E	5.1	4.9	4.0	.7		3.5
SE	6.7	4.7	4.0	.6		3.3
S	10.0	4.4	3.5	.4		2.8
SW	2.8	1.5	1.3	.1		2.9
W	.5	.4	.7	.2		4.2
NW	.4	.6	1.9	.5		5.2
VAR	.0	0	.0	.0		.0
CALM	1.8	.8	1.3	.6		3.6
TOT OBS	662	500	533	116	1811	3.6
TOT PCT	36.6	27.6	29.4	6.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM) >4/8 AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	.2	.0	.3	.4	1.6	2.6	.2	.0	.2	.0	9.5	
NE	.1	.0	.2	.4	1.7	1.6	.4	*	.2	.0	15.9	
E	.0	.1	*	.1	1.0	.6	.2	*	.1	.0	12.5	
SE	*	.0	.0	.1	.2	.7	.2	.4	.6	.1	13.7	
S	*	.0	.0	*	.6	.7	.1	.1	.5	.1	16.1	
SW	.0	.0	.0	.1	.2	.3	.1	.1	.2	*	4.7	
W	.0	.0	.0	.0	.1	.1	*	.0	.1	*	1.4	
NW	*	.0	*	*	.5	.9	.1	.1	.1	.1	1.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.4	.8	.1	.0	.1	.0	3.2	
TOT OBS	6	1	12	21	116	152	25	13	34	5	1426	1811
TOT PCT	.3	.1	.7	1.2	6.4	8.4	1.4	.7	1.9	.3	78.7	100.0

APRIL

PERIOD: (PRIMARY) 1929-1971
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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >500YD	= OR >0
= OR >6500	1.7	2.1	2.1	2.1	2.1	2.1	2.1	2.1
= OR >5000	2.4	2.9	2.9	2.9	2.9	2.9	2.9	2.9
= OR >3500	3.6	4.1	4.2	4.2	4.2	4.2	4.2	4.2
= OR >2000	8.7	12.3	12.5	12.5	12.6	12.6	12.6	12.6
= OR >1000	13.2	18.4	18.8	18.8	18.9	18.9	18.9	18.9
= OR >600	13.9	19.4	19.9	20.0	20.0	20.0	20.0	20.0
= OR >300	14.5	20.1	20.5	20.6	20.7	20.7	20.7	20.7
= OR >150	14.6	20.2	20.6	20.7	20.8	20.8	20.8	20.8
= OR > 0	14.6	20.3	20.8	21.0	21.1	21.1	21.1	21.1
TOTAL	266	368	377	381	383	383	383	383

TOTAL NUMBER OF OBS: 1816 PCT FREQ NH <5/8: 78.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
9.6	15.2	27.2	13.0	11.0	6.8	8.0	2.1	3.3	.6	1915

PERIOD: (PRIMARY) 1929-1971
(OVER-ALL) 1857-1971

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	NO PCP	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	
	TOT %	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1<2	PCP	.1	*	*	.0	.0	.0	.0	*	.0	.0	.2	
	NO PCP	.0	.0	.0	*	*	*	.0	.0	.0	.0	.1	
	TOT %	.1	*	*	*	*	*	.0	*	.0	.0	.2	
2<5	PCP	.2	.0	.0	.0	.0	.0	.0	*	.0	*	.3	
	NO PCP	.3	.3	.1	.1	.2	*	.1	*	.0	.0	1.3	
	TOT %	.5	.3	.1	.1	.2	*	.1	.1	.0	*	1.5	
5<10	PCP	.2	.1	.1	.0	.0	.0	*	.1	.0	*	.5	
	NO PCP	3.0	2.3	1.1	2.3	3.7	.7	.3	.9	.0	1.0	15.2	
	TOT %	3.2	2.4	1.1	2.3	3.7	.7	.3	1.0	.0	1.0	15.8	
10+	PCP	.2	.2	.1	*	*	.0	.0	.1	.0	.0	.6	
	NO PCP	10.7	17.3	12.7	13.4	15.8	4.9	1.3	2.9	.0	2.9	81.8	
	TOT %	10.9	17.4	12.8	13.4	15.8	4.9	1.3	3.0	.0	2.9	82.4	
	TOT OBS												2631
	TOT PCT	14.7	20.2	14.1	15.8	19.8	5.6	1.7	4.1	.0	4.0	100.0	

APRIL

PERIOD: (PRIMARY) 1929-1971
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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	*	.0	.0	.0	.0	.0	.0	.0		*	
	11-21	*	.0	.0	.0	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	0-3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
1<2	4-10	.0	.0	.0	*	*	.1	*	.0	.0		.2	
	11-21	.0	*	*	.0	.0	.0	.0	.0	.0		*	
	22+	.1	.0	.0	.0	.0	.0	.0	*	.0		.1	
	TOT %	.3	*	*	*	*	.1	*	*	0	.0	.5	
	0-3	.1	.1	*	.0	.1	*	.1	.0	.0	.1	.5	
2<5	4-10	.1	.1	.1	.1	.1	*	*	*	.0		.5	
	11-21	.2	.2	.0	.0	*	*	.0	.1	.0		.5	
	22+	.2	.0	.0	.0	.0	.0	*	.1	.0		.3	
	TOT %	.6	.4	1	.1	.2	.1	.1	.2	.0	.1	1.8	
	0-3	.2	.1	.2	.3	.5	.1	.1	.2	.0	1.0	2.8	
5<10	4-10	1.4	1.3	.5	1.3	2.0	.4	.2	.6	.0		7.6	
	11-21	1.4	.7	.2	.5	1.1	.2	.0	.1	.0		4.2	
	22+	.3	.1	.0	*	.0	.0	.0	*	.0		.5	
	TOT %	3.3	2.2	1.0	2.1	3.5	.6	.3	.9	.0	1.0	15.1	
	0-3	.7	1.2	1.7	1.9	1.2	.6	.2	.3	.0	3.3	11.1	
10+	4-10	4.7	9.6	8.4	9.0	8.9	3.1	.7	1.8	.0		46.3	
	11-21	4.8	6.2	2.1	2.3	5.7	1.4	.3	.8	.0		23.7	
	22+	.5	.4	.1	.1	.1	.0	*	.1	.0		1.4	
	TOT %	10.7	17.5	12.4	13.2	16.0	5.1	1.3	3.0	.0	3.3	82.5	
	TOT OBS												3011
	TOT PCT	15 0	20.1	13.6	15.5	19.7	5.9	1.7	4.1	.0	4.4	100.0	

PERIOD: (PRIMARY) 1929-1971
(OVER-ALL) 1857-1971

APRIL

AREA 0003 NHA TRANG
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.2	.0	1.1	1.5	8.1	10.6	1.5	.9	2.5	.2	26.7	73.3	529
06&09	8	.0	.4	1.5	5.9	5.9	1.3	1.3	1.0	.2	18.2	81.8	477
12&15	2	.2	.5	.9	3.9	5.9	1.4	.2	2.3	.7	16.2	83.8	437
18&21	0	.0	.4	.4	6.2	9.2	1.1	.2	1.3	.0	18.9	81.1	455
TOT	6	1	12	21	116	152	25	13	31	5	385	1513	1898
PCT	.3	.1	.6	1.1	6.1	8.0	1.3	.7	1.8	.3	20.3	79.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	0	2	.4	.4	17.2	81.9	507
06&09	0	2	.4	1.1	14.3	84.0	462
12&15	0	.0	.0	.5	16.7	82.8	418
18&21	0	0	.0	1.4	17.8	80.8	438
TOT	0	2	4	15	301	1503	1825
PCT	0	1	2	.8	16.5	82.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <5UYD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.4	1.8	3.9	24.1	72.0	507
06&09	1.5	1.9	3.9	15.4	80.7	462
12&15	.7	1.4	2.9	14.8	82.3	418
18&21	.7	1.1	3.0	18.3	78.8	438
TOT	15	29	63	335	1427	1825
PCT	.8	1.6	3.5	18.4	78.2	100.0

APRIL

PERIOD: (PRIMARY) 1929-1971
(OVER-ALL) 1857-1971

AREA 0003 NHA TRANG
12.1N 109.2E

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	0	0	0	0	1	0	0	0	2	1
90/94	0	0	0	2	1 6	1 3	4	0	64	3 4
85/89	0	0	1	2	2 6	7 5	3 8	4	271	14 5
80/84	0	0	0	0	1 5	20 1	31 7	10 5	1189	63 8
75/79	0	0	0	0	1	1 2	7 2	9 3	371	17 8
70/74	0	0	0	0	0	0	1	3	6	3
TOTAL	0	0	1	6	110	562	803	381	1863	100 0
PCT	0	0	1	3	5 9	30 2	43 1	20 5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
0	1	0	1	0	.0	0	.0	.0	.0
4	8	6	7	5	.1	1	*	.0	.1
9	2 9	2 2	3 2	3 5	1 2	.2	3	.0	.3
7 2	13 5	11 3	11 0	11 9	4.2	8	1.3	0	2.5
5 7	2 5	9	1 3	3 0	.6	5	1.8	.0	1.7
1	1	0	*	.1	*	0	*	.0	.0
14 4	19 8	14 9	16 2	19 0	6 1	1 7	3 2	.0	4.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	95	91	87	82	77	74	70	81 8	843
06&09	95	92	90	84	79	76	72	83 8	1006
12&15	95	89	85	82	77	75	70	81 6	741
18&21	89	85	84	81	77	74	72	80 7	358
TOT	95	91	88	82	77	75	70	82 0	3548

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	0	2	4.7	28 1	43.9	23.0	83	508
06&09	0	1 1	15 5	45 2	30.1	8.1	77	458
12&15	.0	.2	2 5	31.8	45 9	19.6	83	434
18&21	.0	0	8	16.5	52.3	30.3	86	472
TOT	0	7	110	566	807	382	82	1872

APRIL

PERIOD (PRIMARY) 1929-1971
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TABLE 17

AREA 00C3 NHA TRANG
12.1N 109.7E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/15	.0	.0	.0	*	.0	*	*	3	.0	1
11/13	0	.0	*	.1	.0	.2	.2	11	.0	.4
9/10	.0	0	*	.1	.2	.6	.4	34	.0	1.4
7/8	0	.0	*	.5	.6	1.2	*	58	.0	2.3
6	.0	*	*	.4	.4	.4	.0	30	.0	1.2
5	.0	*	.1	1.0	1.5	.6	.0	82	.0	3.3
4	.0	*	.2	2.6	2.0	.4	.0	130	.0	5.2
3	.0	*	.5	1.6	1.2	*	.0	84	.0	3.4
2	0	*	1.6	6.6	2.0	.1	.0	256	.1	10.2
1	0	*	1.3	4.5	1.5	.1	.0	188	.0	7.5
0	.0	4	3.9	14.8	1.8	*	.0	523	*	20.9
-1	.0	2	1.7	5.6	.7	.0	.0	204	.0	8.2
-2	2	.3	4.0	8.7	.4	.0	0	335	.0	13.4
-3	.0	.1	2.0	4.0	.2	.0	.0	160	.0	6.4
-4	.0	6	2.1	2.8	*	.0	0	138	*	5.5
-5	.0	.2	1.6	1.2	.0	0	.0	76	.0	3.0
-6	0	.1	1.1	.3	.0	.0	.0	38	.0	1.5
-7/-8	.0	.2	4.0	.1	.0	.0	.0	106	*	4.2
-9/-10	.0	.6	.6	*	.0	.0	.0	31	*	1.2
-11/-13	*	3	*	.0	.0	.0	.0	10	.0	.4
TOTAL								2497		
PCT	2	3.4	24.9	54.9	12.4	3.6	.6	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1971

APRIL

TABLE 18

AREA 0003 NHA TRANG
12.1N 109.7E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	1.0	.2	.0	.0	.0	1.9
1-2	.4	4.2	2.8	.0	.0	.0	7.4
3-4	.0	.8	2.5	.3	.0	.0	3.7
5-6	.0	.0	.4	.3	.0	.0	.6
7	.0	.0	.1	.2	.0	.0	.3
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	0	.0	0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	6.1	6.1	.8	0	.0	14.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.4	*	.0	.0	.0	3.1
1-2	.5	6.2	3.5	.0	.0	.0	10.1
3-4	.3	1.6	2.8	.2	.0	.0	4.9
5-6	.0	.1	1.4	.3	.0	.0	1.8
7	.0	.0	.2	.1	.0	.0	.3
8-9	.0	.0	.1	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.1	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	10.3	7.9	.6	.1	.0	20.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	2.6	.1	.0	.0	.0	3.6
1-2	.6	5.5	2.0	.0	.0	.0	8.1
3-4	.0	1.6	1.0	.1	.0	.0	2.7
5-6	0	.1	.3	.0	.0	.0	.4
7	.0	.0	1	.0	.0	.0	.1
8-9	.0	.1	.0	.0	.0	.0	.1
10-11	.0	.0	0	.0	.0	.0	.0
12	.0	0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.1	.0	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	*	.0	.0	.0	.0	.0	.0
71-86	.0	0	.0	.0	.0	.0	.0
87+	0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	9.9	3.5	.1	.0	.0	15.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.9	3.5	.0	.0	.0	.0	5.3
1-2	.8	5.8	2.1	.0	.0	.0	8.7
3-4	.0	.9	1.0	.1	.0	.0	2.1
5-6	.0	.2	.1	*	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.6	10.4	3.3	.2	.0	.0	16.5

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

AREA 0003 NHA TRANG 12.1N 109.7E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	3.2	.1	0	.0	0	4.3
1-2	.9	4.6	3.7	.0	0	.0	9.2
3-4	.0	1.5	2.7	.1	.0	.0	4.3
5-6	.0	.1	.7	.0	.0	.0	.8
7	.0	0	.1	.0	.0	.0	.1
8-9	0	.0	0	0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	0	0	.0	.0	.0	.0
13-16	.0	0	.0	.0	.0	.0	.0
17-19	0	0	.0	.0	.0	.0	.0
20-22	0	0	.0	0	.0	.0	.0
23-25	.0	0	0	.0	.0	.0	.0
26-32	0	0	.0	.0	.0	.0	0
33-40	.0	0	.0	.0	.0	0	.0
41-48	0	.0	0	0	.0	.0	.0
49-60	.0	.0	0	.0	.0	0	.0
61-70	0	.0	.0	.0	.0	.0	0
71-86	0	0	0	.0	.0	.0	.0
87+	0	.0	0	0	.0	.0	.0
TOT PCT	1.9	9.4	7.2	.1	.0	0	18.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.3	.1	.0	.0	0	2.0
1-2	.1	1.9	1.1	.0	.0	.0	3.0
3-4	.0	.3	.5	.0	.0	.0	.8
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	0	.0	.0	.0	.0
87+	.0	0	.0	.0	.0	.0	.0
TOT PCT	.6	3.5	1.7	.0	.0	.0	5.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	3	.0	.0	.0	.0	.5
1-2	1	4	3	.0	.0	.0	.8
3-4	0	1	1	.0	.0	.0	.2
5-6	0	1	0	.0	.0	.0	.1
	0	0	.0	.0	0	.0	.0
8-9	0	0	0	.1	.0	.0	.1
10-11	0	0	.0	.0	0	.0	0
12	.0	0	.0	.0	.0	.0	.0
13-16	0	0	0	0	.0	.0	.0
17-19	0	.0	0	.0	.0	.0	0
20-22	0	0	0	.0	.0	.0	.0
23-25	0	0	0	0	.0	0	0
26-32	0	.0	0	.0	.0	0	0
33-40	0	0	0	.0	0	.0	.0
41-48	0	0	0	.0	.0	.0	.0
49-60	0	.0	.0	0	0	.0	.0
61-70	0	0	0	.0	0	.0	.0
71-86	0	0	0	0	0	.0	0
87+	0	0	0	0	.0	0	0
TOT PCT	.4	8	.4	1	0	0	1.7

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.4	.0	.0	.0	.0	.8
1-2	.4	1.8	.3	.0	.0	.0	2.5
3-4	.0	.1	*	*	.0	.0	.1
5-6	.0	.0	.1	*	.0	.0	.1
	.0	.0	.0	*	.0	.0	*
8-9	0	.0	.0	.0	.0	.0	0
10-11	.0	.0	.0	.0	0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	2.3	.4	.1	.0	.0	3.5

APRIL

PERIOD: (OVER-ALL) 1963-1971

AREA 0003 NHA TRANG
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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	12.0	14.5	.4	.0	.0	.0	26.9	
1-2	3.7	29.9	15.4	.0	.0	.0	49.1	
3-4	.3	7.7	10.5	.9	.0	.0	18.5	
5-6	.0	.6	2.9	.7	.0	.0	4.1	
7	.0	.0	.5	.3	.0	.0	.8	
8-9	.0	.1	.1	.1	.0	.0	.4	
10-11	.0	.0	.1	.1	.0	.0	.1	
12	.0	.0	.0	.0	.1	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.1	.0	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	16.0	51.8	30.1	2.0	.1	.0	100.0	1376

PERIOD (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SEC)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	7.9	32.1	16.5	2.6	.4	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	959	2
6-7	.2	4.8	6.7	3.4	.7	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	260	3
8-9	0	.9	1.7	.9	.2	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	64	4
10-11	0	4	.5	.3	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	4
12-13	.0	.0	.2	.2	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	6
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1	20
INDET	12.0	4.2	1.2	.2	.1	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	286	1
TOTAL	322	681	431	120	26	13	3	3	1	2	1	0	0	0	0	0	0	0	0	1603	2
PCT	20.1	42.5	26.9	7.5	1.6	.8	.2	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

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TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	3	.3	*	.0	0	0	0	.5		2	0	1	0		5.7	
NE	2	1	*	.0	.0	0	0	4		.4	.0	*	0		6.1	
E	1	2	0	0	0	0	0	3		1	0	2	0		8.4	
SE	*	3	0	0	0	0	0	4		3	*	2	0		12.3	
S	1	1	*	0	0	.0	0	2		.5	.0	5	0		24.0	
SW	3	.4	.1	0	.0	.0	.0	8		1.0	.0	.3	0		21 8	
W	3	4	1	0	0	0	.0	.7		3	0	*	0		6.3	
NW	3	.2	1	.0	0	0	.0	.7		2	0	1	0		4 0	
VAR	0	0	0	0	0	0	0	.0		0	0	0	0		1	
CALM	0	.0	*	0	0	0	0	*		.1	0	*	0		2.8	
TOT OBS	41	45	11	0	0	0	0		96	75	1	36	0		2204	2408
TOT PCT	1 7	1 9	5	0	0	0	0	4 0		3.1	*	1.5	0		91 5	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	1 9	1.7	.2	0	0	.0	.0	3.8		.3	.0	1 6	0		94.3	
06&09	1 2	1.7	.5	.0	.0	.0	0	3.4		.7	.2	1.9	.0		94.1	
12&15	1 7	2.0	.7	.0	.0	.0	.0	4.4		6 5	2	1.5	.0		87.8	
18&2*	1 9	2.3	.5	0	0	.0	.0	4.5		5.3	.0	1 0	0		89.4	
TOT	41	47	11	0	0	0	0		98	77	2	36	0		2223	2432
PCT	1 7	1.9	.5	.0	.0	.0	.0	4.0		3.2	.1	1.5	.0		91.4	

MAY

PERIOD: (PRIMARY) 1928-1971
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TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.2	3.5	1.4	.1	.0	0		6.1	7.6	6.9	8.4	7.3	4.5	5.1	5.6	5.0	5.3
NE	1.5	4.7	1.2	*	.0	.0		7.4	7.1	6.7	12.0	7.5	9.8	7.5	5.2	6.5	5.8
E	1.5	6.7	.8	.0	0	.0		9.0	6.3	7.8	6.3	8.4	10.7	10.3	10.2	9.7	8.4
SE	1.7	8.6	2.2	*	.0	.0		12.6	7.5	8.9	10.6	15.5	18.2	15.4	11.4	12.2	6.6
S	2.0	14.2	8.6	.4	.0	0		25.2	9.7	24.1	26.0	25.3	26.4	27.7	23.3	25.1	22.8
SW	1.1	10.4	10.5	2.1	1	.0		24.4	11.9	26.0	26.3	21.2	23.1	22.6	25.7	24.9	29.3
W	.8	3.5	1.8	.3	*	.0		6.5	9.4	8.9	4.1	4.3	3.3	4.9	11.2	7.2	9.3
NW	.9	2.5	.9	.1	.0	.0		4.4	7.8	6.6	4.9	3.9	2.2	2.9	5.3	3.6	6.5
VAR	*	*	.0	.0	.0	.0		.1	3.0	.0	.0	.2	.0	.0	.0	.2	.0
CALM	4.3							4.3	.0	4.2	1.5	6.6	1.6	2.8	2.0	5.6	6.1
TOT OBS	520	1826	925	100	3	0	3374		8.8	572	200	655	314	535	201	550	347
TOT PCT	15.4	54.1	27.4	3.0	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.3	2.6	3	.0	.0		6.1	7.6	7.3	6.4	5.9	5.1
NE	4.0	3.2	.2	.0	.0		7.4	7.1	8.1	8.2	6.9	6.2
E	5.5	3.4	.1	.0	.0		9.0	6.3	7.4	9.2	10.3	9.2
SE	6.0	6.3	.4	0	.0		12.6	7.5	9.3	16.4	14.3	10.1
S	7.6	15.0	2.6	*	.0		25.2	9.7	24.6	25.7	26.5	24.2
SW	5.4	13.3	5.2	.5	.0		24.4	11.9	26.1	21.8	23.4	26.6
W	2.5	3.2	.7	.1	.0		6.5	9.4	7.6	4.0	6.6	8.0
NW	2.2	1.8	.4	.0	.0		4.4	7.8	6.1	3.4	3.5	4.7
VAR	.1	.0	.0	.0	.0		.1	3.0	.0	.1	.0	.1
CALM	4.3						4.3	.0	3.5	5.0	2.6	5.3
TOT OBS	1375	1645	334	20	0	3374		8.8	772	969	736	897
TOT PCT	40.8	48.8	9.9	.6	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1928-1971
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.5	13.3	55.2	25.8	2.1	.1	.0	8.3	100.0	772
06&09	5.0	11.1	54.2	26.7	3.0	.1	.0	8.7	100.0	968
12&15	2.6	8.6	51.9	32.7	4.1	.1	.0	9.8	100.0	736
18&21	5.8	11.2	54.9	25.3	2.8	.0	.0	8.6	100.0	896
TOT	146	373	1825	925	100	3	0	8.8		3372
PCT	4.3	11.1	54.2	27.4	3.0	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.8	1.0	2.7	1.8		5.5
NE	1.3	1.9	2.7	.4		4.4
E	2.1	2.8	3.0	.8		4.2
SE	4.3	4.4	4.9	1.2		4.1
S	8.0	7.5	7.1	1.4		3.8
SW	4.2	5.7	9.5	4.7		5.0
W	.9	1.7	3.2	2.1		5.5
NW	.3	.7	1.9	1.2		5.9
VAR	.0	.1	.0	.0		4.0
CALM	.6	1.4	1.2	.4		4.6
TOT OBS	365	440	587	228	1620	4.6
TOT PCT	22.5	27.2	36.2	14.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH)4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.3	.9	.8	.2	.2	.1	.0	3.8	
.0	.0	.1	.2	.5	.4	*	.1	.1	.1	4.8	
.0	.0	*	.2	.6	.4	.1	.1	.2	.0	7.1	
.0	.1	.0	.2	1.2	.9	.4	.1	.3	.0	11.7	
.0	.0	*	.3	1.3	1.2	.4	.2	.1	.2	20.2	
.1	*	.2	.6	2.3	2.7	.2	.1	.2	.1	17.7	
*	*	.1	.3	1.3	.9	.1	.0	.0	.1	5.1	
.1	.0	*	.3	.3	.3	.1	.0	.1	.1	2.4	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
.0	.0	.0	.1	.4	.2	.1	.1	.0	.0	2.6	
3	2	8	43	148	130	26	14	17	8	1221	1620
.2	.1	.5	2.7	9.1	8.0	1.6	.9	1.0	.5	75.4	100.0

MAY

PERIOD: (PRIMARY) 1928-1971
(OVER-ALL) 1857-1971

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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >SOYD	= OR >0
= OR >6500	1.3	1 5	1.5	1 5	1.5	1.5	1.5	1.5
= OR >5000	2.1	2 4	2.4	2.4	2.4	2.4	2.4	2.4
= OR >3500	3.4	3 9	4.0	4.0	4.0	4.0	4.0	4.0
= OR >2000	9.4	11 0	11 9	11 9	11 9	11.9	11 9	11 9
= OR >1000	15.5	20.3	21.0	21.1	21 1	21.1	21.1	21.1
= OR >600	17.2	22.7	23 7	23.7	23.7	23.8	23.8	23.8
= OR >300	17.3	23.2	24.1	24.2	24.2	24.3	24.3	24.3
= OR >150	17 3	23 2	24 3	24 3	24.3	24.4	24.4	24.4
= OR > 0	17 5	23 4	24 4	24.5	24.5	24.6	24.6	24.6
TOTAL	285	392	399	400	400	401	401	401

TOTAL NUMBER OF OBS: 1632 PCT FREQ NH <5/8: 75.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.0	15 0	28.8	17.9	11.3	6.3	9 9	3 1	4.6	.1	1742

MAY

PERIOD: (PRIMARY) 1928-1971
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	*	.1	.0	.0	.1	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	*	.1	.0	.0	.1	
	PCP	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	PCP	.1	*	.0	*	.0	.0	*	.1	.0	.0	.2	
1<2	NO PCP	.0	*	*	.0	.0	.0	.0	.0	.0	.0	*	
	TOT %	.1	*	*	*	.0	.0	*	.1	.0	.0	.3	
	PCP	.0	*	.1	.1	.1	.1	.1	.1	.0	.0	.7	
2<5	NO PCP	.3	.1	.2	.1	.2	.1	.1	.2	.0	.0	1.2	
	TOT %	.3	.1	.3	.2	.3	.3	.2	.3	.0	.0	2.0	
	PCP	.3	.2	.1	.1	.1	.3	.3	.1	.0	.0	1.4	
5<10	NO PCP	.7	.5	.8	1.1	2.6	2.7	.9	.9	.0	.4	10.5	
	TOT %	.9	.7	.8	1.2	2.7	3.0	1.2	1.0	.0	.4	11.9	
	PCP	.2	.2	.1	.1	.1	.3	.2	.2	.0	*	1.5	
10+	NO PCP	5.0	5.9	7.8	11.6	22.2	20.1	5.7	3.3	.1	2.6	84.3	
	TOT %	5.2	6.1	7.9	11.7	22.3	20.5	5.9	3.5	.1	2.6	85.7	
	TOT OBS												2407
	TOT PCT	6.5	6.9	9.0	13.1	25.2	23.8	7.4	5.0	.1	3.0	100.0	

MAY

PERIOD: (PRIMARY) 1928-1971
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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	*	*	.1	*	*	.0		.2	
	11-21	.1	.1	.0	.0	.0	*	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.1	.0	*	*	.1	*	*	.0	.0	.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	*	*	.0	.0	*	*	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	.0	.0	*	*	.0	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.1	*	.0	.0	.0	.0	.1	
1<2	4-10	.1	*	*	*	.1	*	*	.1	.0		.4	
	11-21	*	.0	.0	.0	.0	0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	*	*	*	.1	*	*	.1	.0	.0	.5	
	0-3	.1	.1	.1	.1	.1	*	.0	.1	.0	.0	.6	
2<5	4-10	.2	1	.3	.1	.1	.2	.1	.2	.0		1.2	
	11-21	*	.0	.0	.0	.1	.2	.1	.1	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	*	*	.0		.1	
	TOT %	.3	2	.3	.1	.2	.4	.2	.4	.0	.0	2.3	
	0-3	.1	.2	*	.1	.3	.3	.3	.2	.0	.4	1.9	
5<10	4-10	.6	.4	.7	.8	1.1	1.2	.5	.5	.0		5.7	
	11-21	.2	1	*	.1	1.0	1.2	.2	.2	.0		2.9	
	22+	.0	.0	.0	.0	.1	.4	*	.0	.0		.5	
	TOT %	8	6	.7	1.1	2.4	3.0	1.0	.9	.0	.4	11.0	
	0-3	.9	1.0	1.3	1.2	1.4	.9	.6	.6	*	3.3	11 3	
10+	4-10	2.9	4.0	6.0	8.1	13.0	8.3	2.9	2.0	*		47.4	
	11-21	1.2	1.0	.8	2.2	7.6	9.4	1.7	.8	.0		24.7	
	22+	*	*	.0	*	.3	1.7	.3	.0	0		2.3	
	TOT %	5.0	6.0	8.1	11.6	22.3	20.3	5.5	3.4	.1	3.3	85.8	
	TOT OBS												2786
	TOT PCT	6.4	7 0	9.3	12.9	25.1	23.9	6.9	4.9	.1	3.7	100.0	

MAY

PERIOD: (PRIMARY) 1928-1971
(OVER-ALL) 1957-1971

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.4	.0	.4	2.6	7.4	8.0	1.3	1.3	1.3	.9	23.6	76.4	461
06&09	.0	.2	.0	1.2	7.8	4.8	2.1	1.2	1.7	.2	19.2	80.8	421
12&15	0	.0	1.2	2.0	10.5	9.3	1.5	.5	.7	.7	26.3	73.7	410
18&21	.2	.2	.2	4.4	9.0	8.1	1.2	.2	.2	.0	23.8	76.2	433
TOT	3	2	8	44	149	130	26	14	17	8	401	1324	1725
PCT	2	.1	.5	2.6	8.6	7.5	1.5	.8	1.0	.5	23.2	76.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	2	0	.0	.5	10.2	89.1	441
06&09	.0	.0	.2	7	7.5	91.5	402
12&15	.3	.0	.0	2.3	17.0	80.4	383
18&21	0	0	.0	2.2	15.2	82.6	407
TOT	2	0	1	23	202	1405	1633
PCT	.1	0	.1	1.4	12 4	85.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.5	1.1	4.3	20.9	74.8	441
06&09	.0	.2	2.5	17.7	79.9	402
12&15	.3	1.8	5.7	23.2	71.0	383
18&21	.2	.7	6.4	19.4	74.2	407
TOT	4	16	77	331	1225	1633
PCT	.2	1.0	4.7	20.3	75.0	100.0

PERIOD: (PRIMARY) 1928-1971
(OVER-ALL) 1857-1971

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	0	0	0	.0	.3	.0	.0	.0	5	.3
90/94	0	0	0	.2	1.3	1.8	.4	.1	62	3.9
85/89	0	0	.0	.6	2.2	16.3	12.2	1.9	525	32.7
80/84	0	.0	.0	.0	3	11.1	35.7	11.6	944	58.8
75/79	0	0	.0	.0	.0	.2	1.4	2.7	70	4.4
TOTAL	0	0	0	3	67	473	759	264	1606	100.0
PCT	0	.0	0	.2	4.2	29.5	49.8	16.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.1	*	.1	.0	.0	.1	.0	.0	.0
.3	.2	.6	1.0	1.0	.5	.1	.1	.0	.2
1.4	1.5	3.1	5.8	8.3	8.6	2.0	.8	.1	1.2
4.0	4.3	4.8	7.0	14.6	13.9	4.7	3.0	.1	2.3
.9	.1	.1	*	.5	1.2	1.1	.4	.0	.0
6.6	6.2	8.6	14.0	24.3	24.2	7.9	4.3	.1	3.7

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	95	90	88	84	80	78	75	83.7	758
06&09	95	93	90	85	81	79	75	85.3	934
12&15	90	88	86	84	79	78	75	83.3	729
18&21	88	86	85	82	79	77	76	82.5	902
TOT	95	91	88	84	80	78	75	83.7	3323

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	3.6	28.0	53.4	15.0	83	421
06&09	.0	.8	12.3	45.8	35.0	6.1	78	391
12&15	.0	.0	1.0	28.8	53.0	17.2	83	396
18&21	.0	.0	.0	17.1	56.5	26.4	85	416
TOT	0	3	67	482	807	265	82	1624

MAY

PERIOD: (PRIMARY) 1928-1971
(OVER-ALL) 1857-1971

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WB FOG
14/16	.0	.0	.0	.0	.0	*	1	*	*
11/13	.0	.0	.0	*	.1	.1	5	.0	.2
9/10	.0	.0	.0	.2	.4	.2	17	.0	.8
7/8	.0	.0	*	.6	1.2	.1	44	.0	2.0
6	.0	.0	.1	.4	.6	.0	27	.0	1.2
5	.0	*	.5	1.7	.7	.1	68	.0	3.0
4	.0	.1	1.5	3.1	.7	.1	122	.0	5.4
3	.0	*	1.1	3.1	.1	*	98	.0	4.3
2	*	.2	4.5	4.8	.4	.0	223	.0	9.9
1	.0	*	4.3	3.1	.2	.0	173	.0	7.7
0	.0	.9	16.3	5.1	.1	.0	506	*	22.4
-1	.0	.5	5.8	2.9	.0	.0	207	.0	9.2
-2	.0	1.8	10.2	1.8	*	.0	314	.0	13.9
-3	.0	1.1	3.9	1.0	.0	.0	134	.0	5.9
-4	*	1.9	5.4	.3	.0	.0	172	.0	7.6
-5	*	.9	2.3	.1	.0	.0	75	.0	3.3
-6	.0	.4	.8	.0	.0	.0	26	.0	1.2
-7/-8	*	.6	.8	.0	.0	.0	33	.0	1.5
-9/-10	*	.3	.1	.0	.0	.0	9	.0	.4
TOTAL							2254		
PCT	.2	8.7	57.7	28.3	4.4	.7	100.0	*	100.0

PERIOD: (OVER-ALL) 1963-1971

MAY

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TABLE 18

PCT FREQ OF WIND SPEED (KTS. AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	8	1.7	1	.0	0	0	2.6
1-2	.2	1.7	6	0	.0	.0	2 5
3-4	0	.4	9	1	.0	0	1 3
5-6	0	0	.1	0	.0	0	.1
7	0	0	2	0	.0	0	.2
8-9	0	0	1	0	0	0	.1
10-11	0	0	0	0	0	0	.0
12	0	.0	0	0	0	0	0
13-16	0	0	0	0	0	.0	.0
17-19	0	0	0	0	.0	0	0
20-22	0	0	0	0	0	0	0
23-25	0	0	0	0	0	.0	0
26-32	0	0	0	0	0	0	0
33-40	0	.0	0	0	.0	0	0
41-48	0	0	0	0	0	0	0
49-60	0	0	0	0	0	0	0
61-70	0	0	0	0	0	0	0
71-86	0	0	0	0	0	0	.0
87+	0	0	0	0	0	0	.0
TOT PCT	1 0	3 8	1 8	1	0	0	6.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.4	.1	.0	0	.0	2.1
1-2	3	2.5	.7	.0	.0	.0	3.5
3-4	.1	.6	.3	*	.0	.0	1.0
5-6	.0	.0	.1	0	.0	.0	.1
7	0	.0	.0	.0	.0	.0	.0
8-9	0	0	.0	0	.0	0	.0
10-11	0	.0	.0	0	.0	.0	.0
12	0	.0	0	0	0	.0	.0
13-16	0	0	.0	0	.0	.0	.0
17-19	0	0	.0	.0	.0	.0	.0
20-22	0	.0	0	.0	0	.0	0
23-25	0	0	.0	.0	0	.0	.0
26-32	0	.0	0	0	.0	.0	.0
33-40	0	0	.0	.0	.0	.0	.0
41-48	0	0	0	0	0	.0	.0
49-60	.0	0	.0	.0	.0	.0	.0
61-70	.0	0	.0	.0	0	.0	.0
71-86	.0	0	.0	0	0	0	.0
87+	.0	0	.0	.0	.0	.0	.0
TOT PCT	1 0	4.5	1 2	*	.0	0	6.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	8	2 3	1	0	0	0	3 2
1-2	3	3 0	7	0	.0	0	4 0
3-4	0	5	3	0	0	0	8
5-6	0	0	1	0	0	0	.1
7	0	0	0	0	0	0	0
8-9	0	0	0	0	.0	0	.0
10-11	0	0	.0	0	0	0	0
12	0	0	0	0	0	0	0
13-16	0	0	0	0	.0	0	0
17-19	0	0	.0	0	0	0	0
20-22	0	0	0	0	0	0	.0
23-25	0	0	0	0	0	0	.0
26-32	0	0	0	0	0	0	.0
33-40	0	0	0	0	0	0	.0
41-48	0	0	0	0	0	0	.0
49-60	0	0	0	0	0	0	0
61-70	0	0	0	0	0	0	0
71-86	0	0	0	0	0	0	0
87+	0	0	0	0	0	0	0
TOT PCT	1 1	5 9	1 2	0	0	0	8 2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	6	4 0	4	0	.0	.0	4.9
1-2	.8	5.9	1.5	0	0	.0	8 1
3-4	0	.9	.2	0	0	.0	1.1
5-6	0	.0	1	0	0	0	.1
7	0	.0	0	0	0	.0	.0
8-9	0	0	0	0	.0	.0	0
10-11	0	0	.0	0	0	.0	.0
12	0	0	0	0	.0	0	.0
13-16	0	0	.0	0	0	0	.0
17-19	0	.0	0	.0	.0	.0	.0
20-22	.0	.0	0	.0	0	.0	.0
23-25	0	0	0	0	0	.0	.0
26-32	0	.0	0	0	.0	.0	.0
33-40	0	0	0	0	.0	.0	.0
41-48	0	0	.0	0	0	.0	.0
49-60	.0	.0	0	.0	0	.0	.0
61-70	.0	0	0	0	0	.0	.0
71-86	.0	0	.0	0	.0	.0	.0
87+	0	0	0	0	.0	.0	.0
TOT PCT	1 4	10 7	2 2	0	.0	0	14.2

PERIOD: (OVER-ALL) 1963-1971

MAY

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TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	2.8	.1	.0	.0	.0	3.6
1-2	.6	7.7	4.8	.0	.0	.0	13.1
3-4	1	1.3	3.6	.2	.0	.0	5.1
5-6	.0	.3	1.1	.0	.0	.0	1.4
7	.0	.0	.1	.2	.0	.0	.2
8-9	.0	.0	0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	12.1	9.6	.3	.0	.0	23.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.6	.0	.0	.0	.0	3.4
1-2	.4	4.1	4.4	.0	.0	.0	8.9
3-4	*	1.8	4.7	.8	.0	.0	7.4
5-6	.0	.2	2.0	.5	.0	.0	2.6
7	.0	.0	1.1	1.7	.1	.0	2.9
8-9	.0	.0	.3	.3	.0	.0	.6
10-11	.0	.0	.0	.1	.1	.0	.2
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	8.7	12.5	3.4	.2	.0	25.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	2.0	.3	.0	.0	.0	3.1
1-2	.2	1.9	.6	.0	.0	.0	2.7
3-4	.1	.6	.8	.0	.0	.0	1.5
5-6	.0	.1	.6	.1	.0	.0	.8
7	0	.0	.1	.1	.0	.0	.2
8-9	0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.1	.0	.0	.1
12	0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	4.6	2.4	.4	.0	.0	8.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.9	.1	.0	.0	.0	1.6
1-2	.1	1.4	.2	.0	.0	.0	1.7
3-4	.0	.2	.2	.0	.0	.0	.4
5-6	.0	.1	.1	.0	.0	.0	.2
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	0	.0	.0	.0	.0
TOT PCT	.8	2.5	.8	.0	.0	.0	4.1

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	8.9	17.7	1.1	.0	.0	.0	27.6	
1-2	2.9	27.8	13.3	.0	.0	.0	44.0	
3-4	.4	6.2	10.7	1.1	.0	.0	18.3	
5-6	.0	.6	4.1	.6	.0	.0	5.3	
7	.0	.0	1.7	1.9	.1	.0	3.6	
8-9	.0	.0	.4	.4	.0	.0	.7	
10-11	.0	.0	.0	.2	.1	.0	.3	
12	.0	.0	.1	.1	.0	.0	.2	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1133
TOT PCT	12.2	52.3	31.2	4.1	.2	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	6.5	34.4	15.5	3.5	1.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	830	2
6-7	.1	1.6	4.5	3.2	1.4	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	157	4
8-9	.0	5	.9	.8	.5	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	45	5
10-11	.0	2	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	5
12-13	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
>13	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	14.7	5.5	1.0	.3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	289	1
TOTAL	285	567	295	110	51	22	7	2	0	0	0	0	0	0	0	0	0	0	0	1339	2
PCT	21.3	42.3	22.0	8.2	3.8	1.6	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1927-1971
(OVER-ALL) 1857-1971

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TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	*	.0	*	.0	0	0	.0	.1		.1	.0	.0		.0	1.3	
NE	*	*	.0	.0	.0	.0	.0	.1		.1	0	.0		.0	1.1	
E	.0	*	.0	.0	.0	.0	.0	*		.1	.0	.0		.0	2.2	
SE	.1	.0	.0	.0	.0	.0	.0	.1		.1	0	*		.0	6.4	
S	3	1	.1	.0	.0	0	.0	5		.6	.0	.2		.0	30.1	
SW	6	.2	.1	.0	0	0	0	9		1.3	0	.2		.0	40.8	
W	0	1	.1	.0	.0	.0	.0	.2		.3	0	*		.0	9.6	
NW	.0	.0	*	.0	.0	.0	.0	*		.1	.0	.0		.0	2.0	
VAR	0	.0	.0	.0	.0	0	.0	.0		.0	.0	.0		.0	.0	
CALM	*	.0	.0	.0	.0	.0	.0	*		.0	.0	0		.0	1.6	
TOT OBS	24	11	8	0	0	0	0		43	58	0	10		0	2149	2258
TOT PCT	1.1	.5	.4	.0	.0	.0	.0	1.9		2.6	.0	.4		.0	95.2	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	1.3	.3	.8	.0	.0	.0	.0	2.5		.0	.0	.5		.0	97.0	
06&09	.9	.2	.4	.0	.0	.0	.0	1.4		.4	.0	.7		.0	97.7	
12&15	.7	.4	.0	.0	.0	.0	.0	1.1		5.0	.0	.6		.0	93.3	
18&21	1.2	1.0	.2	.0	.0	.0	.0	2.4		5.1	.0	.0		.0	92.7	
TOT	24	11	8	0	0	0	0		43	58	0	10		0	2155	2264
PCT	1.1	.5	.4	.0	.0	.0	.0	1.9		2.6	.0	.4		.0	95.2	

JUNE

PERIOD: (PRIMARY) 1927-1971
(OVER-ALL) 1857-1971

AREA 0003 NHA TRANG
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TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.2	.9	.2	.0	.0	.0		1.3	7.0	1.8	.2	1.9	.2	.7	.9	2.3	.9
NE	.3	.8	.1	*	.0	.0		1.3	6.6	1.2	.5	1.8	.6	1.5	.9	1.3	1.3
E	.6	1.4	.2	*	.0	.0		2.1	6.0	2.2	1.5	3.1	2.5	2.3	1.1	2.0	.9
SE	.6	4.0	1.9	*	.0	.0		6.5	8.8	3.7	8.3	8.5	11.5	7.4	8.0	4.0	4.1
S	1.1	15.6	14.1	.9	*	.0		31.6	11.0	22.9	29.0	30.6	39.3	40.8	38.6	28.6	28.9
SW	1.2	15.5	22.3	4.1	.2	.0		43.2	13.1	47.4	43.3	41.0	36.5	39.1	40.1	46.7	48.3
W	.5	4.4	4.1	.7	*	.0		9.8	11.8	12.9	12.4	8.8	7.0	6.4	6.7	11.2	11.7
NW	.3	1.3	.4	*	.0	.0		2.0	7.8	4.7	2.7	1.4	.6	1.0	2.1	1.4	2.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.2							2.2	.0	3.3	2.0	2.8	1.6	.8	1.7	2.4	1.7
TOT OBS	217	1364	1369	183	7	0	3160		11.3	523	201	567	314	498	176	538	343
TOT PCT	6.9	43.8	43.3	5.8	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	.6	.7	*	.0	.0		1.3	7.0	1.3	1.3	.7	1.8
NE	.8	.4	.1	.0	.0		1.3	6.6	1.0	1.4	1.3	1.3
E	1.4	.8	*	.0	.0		2.1	6.0	2.0	2.9	2.0	1.6
SE	2.5	3.6	.5	.0	.0		6.5	8.8	5.0	9.6	7.5	4.0
S	6.2	20.7	4.5	.3	*		31.8	11.0	24.6	33.7	40.2	28.7
SW	6.3	24.6	11.0	1.2	*		43.2	13.1	46.2	39.4	39.4	47.0
W	2.3	5.1	2.1	.2	.0		9.8	11.8	12.7	8.1	5.5	11.4
NW	.9	1.0	.1	.0	.0		2.0	7.8	2.1	1.1	1.3	1.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.2						2.2	.0	3.3	2.0	1.6	2.2
TOT OBS	733	1800	579	46	2	3160		11.3	724	991	674	881
TOT PCT	23.2	57.0	18.3	1.5	.1		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1927-1971
(OVER-ALL) 1857-1971

AREA 0003 NHA T&ANG
12.0N 109.7E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.9	4.6	48.2	39.2	4.8	.3	.0	10.8	100.0	724
06&09	2.4	5.3	42.0	42.7	7.4	.2	.0	11.5	100.0	881
12&15	1.0	3.1	41.5	49.3	4.7	.3	.0	11.9	100.0	674
18&21	2.2	5.4	43.7	42.8	5.8	.1	.0	11.0	100.0	881
TOT	68	149	1384	1369	183	7	0	11.3		3160
PCT	2.2	4.7	43.8	43.3	5.8	.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1	.3	1.0	.2		5.2
NE	.4	.6	.5	.1		4.1
E	.5	.9	1.1			4.2
SE	1.5	2.7	2.4	.6		4.2
S	9.1	7.6	11.1	2.1		4.1
SW	10.4	10.2	15.6	5.5		4.5
W	2.5	2.5	3.9	1.5		4.6
NW	.6	.6	1.0	.1		4.1
VAR	.0	.0	.0	.0		.0
CALM	.5	.2	1.1	.4		5.0
TOT OBS	381	377	552	157	1467	4.4
TOT PCT	26.0	25.7	37.6	10.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.1	.0	.4	.5	.0	.1	.0	.0	.9	
NE	.0	.0	.0	.0	.2	.1	.1	*	.0	.0	1.2	
E	.0	.0	.0	.0	.1	.3	.0	.1	.0	.1	2.1	
SE	.0	.0	*	*	.2	.5	.0	.1	.0	.0	6.4	
S	.1	.0	.2	.5	1.6	2.6	.3	.4	.1	.3	23.8	
SW	.3	.1	.2	1.2	2.7	3.9	.9	.5	.2	.3	31.4	
W	.1	.0	.0	.3	1.0	.6	.2	.1	.1	.0	8.1	
NW	.0	.0	*	.1	.1	.2	.1	.0	.1	.0	1.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	2.0	
TOT OBS	7	1	6	30	92	131	27	18	7	9	1139	1467
TOT PCT	.5	.1	.4	2.0	6.3	8.9	1.8	1.2	.5	.6	77.6	100.0

JUNE

PERIOD: (PRIMARY) 1927-1971
(OVER-ALL) 1857-1971

AREA 0003 NHA TRANG
12.0N 109.7E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (RH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >SQTD	= OR >0
= OR >6500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
= OR >5000	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3
= OR >3500	3.7	4.1	4.1	4.1	4.1	4.1	4.1	4.1
= OR >2000	11.6	13.0	13.1	13.1	13.1	13.1	13.1	13.1
= OR >1000	16.4	19.0	19.3	19.3	19.3	19.3	19.3	19.3
= OR >600	17.7	21.0	21.3	21.3	21.3	21.3	21.3	21.3
= OR >300	17.9	21.3	21.7	21.8	21.8	21.8	21.8	21.8
= OR >150	17.9	21.4	21.8	21.8	21.8	21.8	21.8	21.8
= OR > 0	18.4	21.8	22.2	22.3	22.4	22.4	22.4	22.4
TOTAL	270	321	326	328	329	329	329	329

TOTAL NUMBER OF OBS: 1471 PCT FREQ RH <5/8: 77.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.4	22.2	26.4	16.1	6.7	5.9	8.9	3.6	3.6	.2	1547

JUNE

PERIOD: (PRIMARY) 1927-1971
(OVER-ALL) 1857-197

AREA 0003 NHA TRANG
12.0N 109.7E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	*	
1/2 <1	PCP	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
	NO PCP	.0	.0	.0	.0	*	*	.0	.0	.0	.0	*	
	TOT %	.0	.0	.0	.0	*	.1	.0	.0	.0	.0	.1	
1 <2	PCP	*	.0	.0	.0	.0	*	.0	*	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	*	.1	.0	.0	.0	.0	.1	
	TOT %	*	.0	.0	.0	*	.2	.0	*	.0	.0	.2	
2 <5	PCP	.0	.0	.0	*	.1	.1	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.1	.2	.1	.0	.0	.0	.4	
	TOT %	.0	.0	.0	*	.2	.2	.1	.0	.0	.0	.5	
5 <10	PCP	.0	.0	.0	.1	.1	.5	.2	.0	.0	.0	.8	
	NO PCP	.1	*	.1	.4	1.8	4.5	.9	.1	.0	.0	8.0	
	TOT %	.1	*	.1	.5	1.9	5.0	1.1	.1	.0	.0	8.8	
10+	PCP	*	.1	*	*	.2	.3	.1	.0	.0	*	.8	
	NO PCP	1.3	1.1	2.2	6.2	28.9	37.4	8.8	2.0	.0	1.6	89.5	
	TOT %	1.3	1.2	2.2	6.2	29.1	37.7	8.9	2.0	.0	1.7	90.3	
	TOT OBS												2258
	TOT PCT	1.4	1.2	2.3	6.7	31.3	43.1	10.0	2.2	.0	1.7	100.0	

JUNE

PERIOD: (PRIMARY) 1927-1971
(OVER-ALL) 1857-1971

AREA 0003 NHA TRANG
12.0N 109.2E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	*	.0	.0	.0	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	*	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	*	*	.0	.0	.0		*	
	11-21	.0	.0	.0	.0	.0	.1	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	*	.1	.0	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	*	.0	.0		*	
	11-21	*	.0	.0	.0	.0	.2	*	*	.0		.2	
	22+	.0	.0	.0	.0	*	*	.0	.0	.0		*	
	TOT %	*	.0	.0	.0	*	.2	.1	*	.0	.0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	*	.0	*	.1	.1	.1	*	.0		.4	
	11-21	.0	.0	.0	.0	.1	.4	.1	.0	.0		.5	
	22+	.0	.0	.0	.0	.1	.1	.1	.0	.0		.3	
	TOT %	.0	*	.0	*	.3	.6	.2	*	.0	.0	1.2	
	0-3	.0	.0	.0	.1	*	.1	*	*	.0	.0	.3	
5<10	4-10	.1	*	.1	.2	.8	1.1	.4	.1	.0		2.6	
	11-21	.0	.0	.0	.2	1.0	2.6	.5	.1	.0		4.3	
	22+	.0	.0	.0	.0	.1	.7	.1	.0	.0		.9	
	TOT %	.1	*	.1	.5	1.8	4.4	1.1	.2	.0	.0	8.1	
	0-3	.1	.2	.5	.5	.9	1.0	.5	.2	0	1.9	5.8	
10+	4-10	.8	.7	1.3	3.7	14.0	14.8	4.1	1.3	.0		40.7	
	11-21	.2	*	.2	1.8	13.4	19.7	3.7	.4	.0		39.5	
	22+	.0	*	*	*	.7	2.9	.5	*	.0		4.3	
	TOT %	1.1	1.0	2.1	6.1	29.1	38.4	8.8	1.9	.0	1.9	90.3	
	TOT OBS												2631
	TOT PCT	1.2	1.1	2.1	6.6	31.3	43.7	10.1	2.0	.0	1.9	100.0	

JUNE

PERIOD: (PRIMARY) 1927-1971
(OVER-ALL) 1857-1971

AREA 0003 NHA TRANG
12.0N 109.7E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.5	.2	.5	1.4	7.6	8.1	1.9	2.1	.7	.0	23.0	77.0	421
06&09	.3	.0	.5	2.2	4.9	6.8	2.2	.0	.5	.8	18.2	81.8	369
12&15	.8	.0	.0	.8	5.5	10.4	1.6	1.4	.5	1.4	22.4	77.6	366
18&21	.5	.0	.5	3.4	5.8	9.0	1.3	1.1	.0	.3	22.0	78.0	377
TOT	8	1	6	30	92	131	27	18	7	9	329	1204	1533
PCT	.5	.1	.4	2.0	6.0	8.5	1.8	1.2	.5	.6	21.5	78.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.5	5.2	94.3	406
06&09	0	.0	.3	.0	5.9	93.8	357
12&15	.0	.3	.0	.9	7.4	91.4	350
18&21	.0	.0	.3	.3	10.3	89.2	360
TOT	0	1	2	6	105	1359	1473
PCT	.0	.1	.1	.4	7.1	92.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.NH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.5	1.2	3.2	20.7	76.1	406
06&09	.6	1.1	3.4	15.7	81.0	357
12&15	.9	.9	2.6	21.1	76.3	350
18&21	.8	1.4	5.0	18.3	76.7	360
TOT	10	17	52	280	1141	1473
PCT	.7	1.2	3.5	19.0	77.5	100.0

JUNE

PERIOD: (PRIMARY) 1927-1971
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AREA 0003 NHA TRANG
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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.2	.1	.0	.0	4	.3
90/94	.0	.0	.0	.5	1.1	1.2	.7	.1	56	3.7
85/89	.0	.0	.0	.1	1.7	12.7	8.9	1.3	371	24.7
80/84	.0	.0	.0	.0	.7	10.9	40.8	10.7	947	63.1
75/79	.0	.0	.0	.0	.0	.3	2.5	5.4	122	8.1
70/74	.0	.0	.0	.0	.0	.0	.0	.1	1	.1
TOTAL	0	0	0	10	55	377	794	265	1501	100.0
PCT	.0	.0	.0	.7	3.7	25.1	52.9	17.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.1	.0	.1	.1	.0	.0	.0	.0
.1	.1	.2	.5	.8	1.2	.7	.1	.0	.1
3	.4	.9	2.4	8.1	9.7	1.8	.6	.0	.5
1.2	.8	1.1	3.8	18.9	28.1	6.7	1.3	.0	1.2
.2	.1	.2	.4	2.4	3.5	.8	.2	.0	.3
.0	.0	.0	*	*	.0	.0	.0	.0	.0
1.7	1.5	2.4	7.1	30.3	42.5	10.0	2.2	.0	2.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	92	90	88	83	79	77	73	83.2	719
06&09	95	94	90	84	80	77	73	84.6	852
12&15	92	88	86	83	79	77	75	83.0	670
18&21	88	86	85	82	78	75	73	82.0	876
TOT	95	91	88	83	79	77	73	83.2	3117

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.3	4.6	23.5	55.2	16.4	83	391
06&09	.0	2.5	8.1	40.0	42.8	6.7	79	360
12&15	.0	.0	1.4	23.0	55.8	19.8	84	369
18&21	.0	.0	.8	15.0	57.0	27.2	86	386
TOT	0	10	55	379	796	266	83	1506

JUNE

PERIOD: (PRIMARY) 1927-1971
(OVER-ALL) 1857-1971

AREA 0003 NHA TRANG
12.0N 109.7E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
11/13	.0	.0	.1	.2	.1	.3	16	.0	.8
9/10	.0	.0	.1	*	.8	.2	24	.0	1.1
7/8	.0	.0	.1	.5	.7	.2	32	.0	1.5
6	.0	.0	.3	.6	.3	*	27	.0	1.3
5	.0	.2	.9	1.3	.7	.0	67	.0	3.2
4	.0	.5	2.1	2.1	.5	.0	108	.0	5.2
3	*	.3	1.4	1.5	.3	.0	74	.0	3.5
2	.1	.8	7.7	4.5	.4	.0	284	.0	13.6
1	.1	.9	5.5	2.1	.2	.0	185	.0	8.8
0	.2	2.5	13.9	4.6	*	.0	445	.0	21.2
-1	.0	2.0	5.9	1.8	.0	.0	204	.0	9.7
-2	.1	2.4	11.1	1.2	.0	.0	311	.0	14.8
-3	*	1.0	2.8	.7	.0	.0	94	.0	4.5
-4	*	1.1	4.3	.3	.0	.0	121	.0	5.8
-5	*	.5	1.1	.4	.0	.0	43	.0	2.1
-6	*	.5	1.1	.0	.0	.0	35	.0	1.7
-7/-8	*	.2	.4	.1	.0	.0	15	.0	.7
-9/-10	.1	.1	.2	.0	.0	.0	8	.0	.4
-11/-13	*	.0	*	.0	.0	.0	2	.0	.1
TOTAL							2095		
PCT	1.0	13.0	59.2	21.9	4.1	.8	100.0		100.0

PERIOD: (OVER-ALL) 1965-1971

JUNE

TABLE 18

AREA 0003 NHA TRANG
12.0N 109.7E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.0	.0	.5
1-2	.1	.4	.1	.0	.0	.0	.6
3-4	.0	.2	.3	.0	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.0	.3	.0	.0	.0	1.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.0	.0	.0	.0	.6
1-2	.2	.4	.1	.0	.0	.0	.7
3-4	.0	.1	.0	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.1	.1	.0	.0	.0	1.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.0	.0	.0	.0	.0	1.2
1-2	.0	.9	.1	.0	.0	.0	1.0
3-4	.2	.0	.1	.0	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.9	.2	.0	.0	.0	2.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.7	.0	.0	.0	.0	2.1
1-2	.0	1.6	1.9	.0	.0	.0	3.4
3-4	.0	*	1.1	.0	.0	.0	1.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	3.3	3.0	.0	.0	.0	6.6

PERIOD: (OVER-ALL) 1963-1971

JUNE

AREA 0003 NHA TRANG 12.0N 109.7E

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	2.8	.1	.0	.0	.0	3.3
1-2	.5	7.4	6.5	.0	.0	.0	14.4
3-4	.0	2.6	6.2	.6	.0	.0	9.5
5-6	.0	.0	2.5	.1	.0	.0	2.6
7	.0	.0	.5	.4	.0	.0	.9
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	0	0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	12.8	16.0	1.1	.0	.0	30.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	3.3	.3	.0	.0	.0	4.1
1-2	.3	7.8	8.5	.0	.0	.0	16.6
3-4	.0	3.0	7.6	.8	.0	.0	11.3
5-6	.0	.3	4.2	1.4	.0	.0	5.9
7	.0	.0	1.2	.8	.1	.0	2.1
8-9	.0	.0	.4	.7	.0	.0	1.2
10-11	.0	.0	.1	*	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	14.4	22.3	3.9	.1	.0	41.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.1	.1	.0	.0	.0	1.3
1-2	.0	3.6	2.2	.0	.0	.0	5.8
3-4	.1	.6	2.0	.3	.0	.0	3.0
5-6	.0	.0	.7	.1	.0	.0	.8
7	.0	.0	.2	.3	.0	.0	.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.2	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	5.3	5.3	.8	.0	.0	11.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.4	.0	.0	.0	.0	.4
1-2	.2	1.2	.3	.0	.0	.0	1.7
3-4	.0	.0	.3	.0	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	*	.6	.5	*	.0	.0	2.4

JUNE

PERIOD: (OVER-ALL) 1963-1971

AREA 0003 NHA TRANG
12.0N 109.7E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.9	11.3	.5	.0	.0	0	15.7	
1-2	1.5	23.1	19.5	.0	.0	.0	44.1	
3-4	.3	6.4	17.4	1.7	.0	.0	25.8	
5-6	.0	.3	7.3	1.6	.0	.0	9.2	
7	.0	.0	1.9	1.5	.1	.0	3.5	
8-9	.0	.0	.5	.7	.0	.0	1.3	
10-11	.0	.0	.1	.2	.0	.0	.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	0	.0	
23-25	.0	.0	.0	.0	.0	.0	0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.7	41.1	47.3	5.8	.1	.0	100.0	953

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.8	31.0	26.8	6.1	1.4	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	761	3
6-7	.0	1.3	2.8	5.0	3.7	.6	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	150	5
8-9	0	.1	.5	.4	1.4	.6	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36	7
10-11	.0	.1	.0	.0	.1	.3	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	9
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>12	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
INDET	8.1	2.5	1.9	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	149	1
TOTAL	121	387	353	132	77	25	5	3	3	0	0	0	0	0	0	0	0	0	0	1106	3
PCT	10.9	35.0	31.9	11.9	7.0	2.3	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1928-1971
(OVER-ALL) 1857-1971

AREA 0003 NHA TRANG
12.1N 109.7E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	*	*	*	.0	.0	0	.0	.1		.0	.0	.0		.0	1.3	
NE	.0	.1	.0	.0	.0	.0	.0	.1		.0	.0	.0		.0	1.5	
E	.1	.1	*	.0	.0	.0	.0	.2		.0	.0	.0		.0	2.3	
SE	.1	.1	.0	.0	.0	.0	.0	.2		.1	.0	*		.0	7.5	
S	.2	.1	.1	.0	.0	.0	.0	.3		.2	*	.1		.0	25.1	
SW	1.1	.6	.2	.0	.0	.0	.0	1.9		.6	.0	.2		*	39.2	
W	.8	.2	.2	.0	.0	.0	*	1.3		.3	.0	*		.0	12.7	
NW	.2	.1	.1	.0	.0	.0	.0	.4		.0	.0	*		.0	3.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	*	*	.0	.0	.0	.0	.0	.1		.0	.0	.0		.0	1.2	
TOT OBS	60	34	15	0	0	0	1		110	28	1	8		1	2197	2343
TOT PCT	2.6	1.5	.6	.0	.0	.0	*	4.7		1.2	*	.3		*	93.8	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	2.0	.5	.7	.0	.0	.0	.2	3.3		.2	.0	.2		.0	96.5	
06&09	2.0	.9	.7	.0	.0	.0	.0	3.6		.0	.2	.5		.0	95.7	
12&15	3.4	2.7	.7	.0	.0	.0	.0	6.8		2.4	.0	.7		.2	90.2	
18&21	3.1	1.6	.5	.0	.0	.0	.0	5.2		2.4	.0	.0		.0	92.4	
TOT	62	34	15	0	0	0	1		112	30	1	8		1	2219	2369
PCT	2.6	1.4	.6	.0	.0	.0	*	4.7		1.3	*	.3		*	93.7	

JULY

PERIOD: (PRIMARY) 1928-1971
(OVER-ALL) 1857-1971

AREA 0003 NHA TRANG
12.1N 109.7E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.2	.7	.3	.0	.0	.0		1.3	7.6	1.8	.9	2.2	.5	1.0	.0	1.5	.7
NE	.6	.8	.2	.0	.0	.0		1.6	5.5	2.3	3.4	2.4	2.5	.9	.5	.7	.7
E	.2	1.6	.3	.0	.0	.0		2.2	7.2	1.6	2.2	4.0	2.3	3.6	.8	1.5	.1
SE	.7	4.5	1.5	.1	.0	.0		6.9	8.1	3.9	10.3	10.5	10.9	8.8	4.4	5.1	2.2
S	1.1	12.6	10.1	1.3	.1	.0		25.2	11.2	20.0	23.2	25.5	35.0	29.7	26.5	22.8	21.6
SW	1.0	13.3	22.0	7.9	.4	.0		44.7	14.8	46.2	46.1	40.6	37.2	43.0	50.5	47.3	49.1
W	.7	5.2	6.0	1.6	.2	.0		13.7	13.2	17.4	10.6	11.5	9.7	9.5	13.8	15.5	19.6
NW	.3	1.8	.7	*	*	.0		2.9	8.5	4.7	.7	1.9	.2	2.8	3.5	3.9	3.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	2.2	2.6	1.4	1.6	.8	.0	1.7	2.4
TOT OBS	216	1332	1355	360	24	0	3287		12.4	542	191	560	311	531	194	577	381
TOT PCT	6.6	40.5	41.2	11.0	.7	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	.7	.5	.1	.0	.0		1.3	7.6	1.5	1.6	.7	1.2
NE	1.2	.4	*	.0	.0		1.6	5.5	2.6	2.4	.8	.7
E	1.1	1.0	.1	.0	.0		2.2	7.2	1.7	3.4	2.8	.9
SE	2.9	3.8	.2	.0	.0		6.9	8.1	5.6	10.7	7.6	3.9
S	5.7	14.7	4.4	.3	*		25.2	11.2	20.8	28.9	20.8	22.3
SW	5.1	21.9	15.5	2.1	*		44.7	14.8	46.2	39.4	45.0	48.0
W	2.5	6.7	4.0	.4	.0		13.7	13.2	15.7	10.9	10.6	17.1
NW	1.3	1.5	.1	*	.0		2.9	8.5	3.6	1.3	3.0	3.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	2.3	1.5	.6	2.0
TOT OBS	729	1660	804	93	1	3287		12.4	733	871	725	958
TOT PCT	22.2	50.5	24.5	2.8	*		100.0		100.0	100.0	100.0	100.0

JULY

PERIOD: (PRIMARY) 1928-1971
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AREA 0003 NHA TRANG
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

	WIND SPEED (KNOTS)									
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.3	5.9	40.2	39.0	11.9	.7	.0	12.2	100.0	733
06&09	1.5	5.5	38.1	43.2	10.8	.9	.0	12.5	100.0	871
12&15	.6	4.0	43.0	42.5	9.4	.6	.0	12.3	100.0	725
18&21	2.0	4.5	41.0	40.2	11.6	.7	.0	12.4	100.0	958
TOT	53	163	1332	1355	360	24	0	12.4		3287
PCT	1.6	5.0	40.5	41.2	11.0	.7	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1	.3	.6	.5		6.0
NE	.4	4	.9	.5		5.4
E	.4	8	1.4	.4		5.1
SE	1.6	1.5	4.1	1.2		5.0
S	6.8	6.0	8.1	3.4		4.3
SW	7.3	8.4	14.9	9.4		5.1
W	1.9	2.6	5.6	5.1		5.7
NW	6	7	1.6	1.3		5.7
VAR	.0	0	.0	.0		.0
CALM	.4	3	.4	.2		4.6
TOT OBS	315	342	615	361	1633	5.0
TOT PCT	19.3	20.9	37.7	22.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH) AND OCCURRENCE OF MH <5/8 BY WIND DIRECTION

	CEILING HEIGHTS (FT.MH)											
	000	150	300	600	1000	2000	3500	5000	6500	8000+	MH <5/8	TOTAL
	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
N	.1	.0	.0	.2	.2	.1	.1	*	.1	.0	.8	
NE	*	.0	.0	*	*	.2	*	.1	.0	.(	1.8	
E	.1	.0	.0	.0	.2	.7	.2	.0	.0	.(	1.7	
SE	.0	.0	.0	.1	.8	1.4	.0	.0	.0	.0	6.2	
S	.0	.0	.2	.2	1.9	2.8	.4	.3	.4	.2	18.0	
SW	.1	.1	.3	1.9	5.1	4.2	.8	.4	.6	.8	25.7	
W	.1	.0	.0	.9	2.4	2.2	.3	.1	.2	.3	8.7	
NW	.0	.0	.1	.1	.6	.5	.1	*	.1	.0	2.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	1.2	
TOT OBS	6	1	10	54	184	197	31	15	22	21	1092	1633
TOT PCT	.4	.1	.6	3.3	11.3	12.1	1.9	.9	1.3	1.3	66.9	100.0

JULY

PERIOD: (PRIMARY) 1928-1971
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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	2.4	2.6	2.6	2.6	2.6	2.6	2.6	2.6
= OR >5000	3.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5
= OR >3500	4.8	5.3	5.3	5.3	5.3	5.3	5.3	5.3
= OR >2000	14.0	17.1	17.3	17.3	17.3	17.3	17.3	17.3
= OR >1000	20.9	28.1	28.4	28.5	28.5	28.5	28.5	28.5
= OR >600	23.1	31.4	31.7	31.8	31.8	31.8	31.8	31.8
= OR >300	23.5	32.0	32.3	32.4	32.4	32.4	32.4	32.4
= OR >150	23.5	32.0	32.4	32.4	32.4	32.5	32.5	32.5
= OR > 0	24.0	32.4	32.8	32.9	32.9	32.9	32.9	32.9
TOTAL	396	>36	542	543	543	544	544	544

TOTAL NUMBER OF OBS: 1652 PCT FREQ HH <5/8: 67.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.3	15.8	24.3	13.5	7.5	6.7	10.8	5.2	9.8	.1	1726

PERIOD: (PRIMARY) 1928-1971
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AREA 0003 NHA TRANG
12.1N 109.7E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.1	*	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.1	*	.0	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
	NO PCP	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
1<2	PCP	.0	.0	.0	.0	.0	.1	*	*	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.1	*	*	.0	.0	.1	
2<5	PCP	.0	.0	.0	.0	*	.1	.1	.1	.0	.0	.3	
	NO PCP	.0	.0	.0	.1	.1	.1	*	.0	.0	.0	.4	
	TOT %	.0	.0	.0	.1	.2	.2	.2	.1	.0	.0	.7	
5<10	PCP	*	.1	.1	.2	.2	.9	.8	.1	.0	.1	2.5	
	NO PCP	.1	.1	.2	1.2	3.6	6.4	2.6	.9	.0	.3	15.5	
	TOT %	.1	.2	.3	1.4	3.8	7.3	3.5	1.0	.0	.3	17.9	
10+	PCP	.1	.0	.1	.1	.1	.8	.3	.1	.0	.0	1.7	
	NO PCP	1.2	1.4	2.0	6.3	21.6	33.4	10.2	2.2	.0	.9	79.4	
	TOT %	1.3	1.4	2.2	6.4	21.8	34.2	10.5	2.4	.0	.9	81.0	
	TOT OBS												2343
	TOT PCT	1.4	1.6	2.5	7.9	25.7	41.9	14.2	3.5	.0	1.3	100.0	

JULY

PERIOD: (PRIMARY) 1928-1971
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AREA 0003 NHA TRANG
12.1N 109.7E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	*	*	*	.0	.0		.1	
	11-21	.0	.0	.0	.0	*	.1	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	*	*	.0	.0		*	
	TOT %	.0	.0	.0	.0	*	.1	*	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	*	.0	.0	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	*	.1	*	*	.0		.2	
	11-21	.0	.0	.0	.0	*	*	*	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	*	.0	.0	.0		*	
	TOT %	.0	.0	.0	.0	.1	.2	*	*	.0	.0	.3	
	0-3	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	*	
2<5	4-10	.0	.0	.0	*	.1	.1	*	*	.0		.2	
	11-21	.0	.0	.0	*	.1	.2	.1	*	.0		.5	
	22+	.0	.0	.0	.0	*	.1	.1	.0	.0		.3	
	TOT %	.0	.0	.0	.1	.2	.4	.3	.1	.0	.0	1.0	
	0-3	.0	*	*	.1	.2	.1	.2	.1	.0	.3	1.0	
5<10	4-10	*	.1	.1	.7	1.7	1.7	1.0	.6	.0		6.0	
	11-21	.1	.1	.1	.4	1.2	3.3	1.3	.2	.0		6.7	
	22+	.0	.0	.0	*	.4	2.0	.6	*	.0		3.0	
	TOT %	.1	.2	.3	1.2	3.5	7.1	3.1	.9	.0	.3	16.7	
	0-3	.1	.5	.1	.5	.8	.8	.5	.2	.0	1.0	4.8	
10+	4-10	.7	.5	1.5	4.3	11.4	11.0	4.2	1.2	.0		34.8	
	11-21	.3	.2	.3	1.4	9.0	18.0	4.7	.6	.0		34.4	
	22+	.0	.0	.0	.1	1.0	5.5	1.1	.1	.0		7.8	
	TOT %	1.1	1.3	1.9	6.2	22.2	35.3	10.5	2.2	.0	1.0	81.8	
	TOT OBS												2702
	TOT PCT	1.2	1.5	2.2	7.5	25.9	43.1	14.0	3.2	.0	1.3	100.0	

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PERIOD: (PRIMARY) 1928-1971
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AREA 0003 AKA TRANG
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.MM >4/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00&03	.5	.0	.9	3.2	8.0	9 1	2.0	1.1	2.3	3.0	30.0	70.0	440
06&09	.5	.0	.5	3.3	10.3	10.3	2.2	.7	1.0	.0	28.7	71.3	418
12&15	.5	.0	.2	2.9	12.7	14.2	1.4	1.0	1.7	1.2	35.8	64.2	416
18&21	.2	.2	.7	3.5	12.7	12.7	1.6	.7	.2	.7	33.2	66.8	434
TOT	7	1	10	55	186	197	31	15	22	21	545	1163	1708
PCT	.4	.1	.6	3.2	10.9	11.5	1.8	.9	1.3	1.2	31.9	68.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.2	16.0	83.8	426
06&09	.0	0	2	.5	12.8	86.4	405
12&15	2	0	.0	1.5	21.6	76.6	402
18&21	.0	.0	.0	1.0	20.5	78.6	420
TOT	1	0	1	13	293	1345	1653
PCT	.1	.0	.1	.8	17.7	81.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.MM >4/8) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00&03	.5	1.4	4.9	26.1	69.0	426
06&09	.5	1.0	4.9	24.9	70.1	405
12&15	.0	1.0	5.5	32.1	62.4	402
18&21	.5	1.4	6.0	29.3	64.8	420
TOT	8	20	88	464	1101	1653
PCT	.5	1.2	5.3	28.1	66.6	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.1	.0	.0	.0	.0	.0	1	.1
90/94	.0	.0	.2	.2	.9	.7	.2	.2	39	2.4
85/89	.0	.0	.0	.3	2.6	9.1	5.4	.9	299	18.2
80/84	.0	.0	.0	.1	1.6	16.2	39.7	11.6	1133	69.1
75/79	.0	.0	.0	.0	.0	.1	4.4	5.6	166	10.1
70/74	.0	.0	.0	.0	.0	.0	.0	.1	1	.1
TOTAL	0	0	4	10	82	428	815	300	1639	100.0
PCT	.0	.0	.2	.6	5.0	26.1	49.7	18.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	*	*	.0	.0	.0	.0
*	*	.2	.2	.8	.7	.4	.0	.0	.0
.3	.7	.9	3.0	5.2	5.7	1.7	.3	.0	.4
1.5	1.1	1.7	5.0	16.2	28.9	11.0	2.7	.0	.9
*	.2	.1	.1	1.5	4.8	2.1	.9	.0	.3
.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
1.8	2.1	3.0	8.3	23.8	40.2	15.2	4.0	.0	1.6

TABLE 15

MEANS.EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	95	88	86	82	79	76	73	82.2	736
06&09	95	92	90	84	79	78	75	83.9	860
12&15	93	88	86	82	78	77	73	82.1	723
18&21	92	86	84	81	77	75	73	81.2	952
TOT	95	90	87	82	78	76	73	82.4	3271

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-89	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.2	6.9	22.9	55.0	14.0	82	420
06&09	.0	1.7	11.4	45.5	32.7	8.7	78	404
12&15	.0	.5	1.0	19.8	59.3	19.3	84	393
18&21	.0	.0	.7	17.0	52.5	29.9	86	442
TOT	0	14	82	433	828	302	83	1659

JULY

PERIOD: (PRIMARY) 1928-1971
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TABLE 17

AREA 0003 NHA TRANG
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PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/16	.0	0	.0	*	.0	.0	1	.0	*
11/13	.0	.0	*	.1	.1	.3	11	.0	.5
9/10	.0	.0	.1	.2	.4	.1	19	.0	.9
7/8	.0	.1	.5	.5	1.0	*	47	.0	2.1
6	.0	.1	.3	.7	.2	.0	28	.0	1.3
5	.0	.3	1.3	1.7	.5	.1	83	.0	3.8
4	*	.5	3.0	2.3	.2	.0	132	.0	6.0
3	.0	.2	1.6	2.1	.1	.0	88	.0	4.0
2	.1	1.2	8.0	1.6	.1	.0	265	.0	12.1
1	.0	.6	4.7	1.6	*	.0	151	.0	6.9
0	.1	3.4	15.7	1.5	.1	.0	454	.0	20.7
-1	.0	.8	7.4	1.1	.0	.0	205	.0	9.4
-2	.3	3.7	9.1	.4	.0	.0	297	.0	13.6
-3	.0	1.0	3.3	.4	.0	.0	103	.0	4.7
-4	*	2.0	3.8	.1	.0	.0	130	*	5.9
-5	*	1.8	2.0	.0	.0	.0	84	.0	3.8
-6	*	1.3	.6	.0	.0	.0	43	.0	2.0
-7/-8	.1	1.6	.1	.0	.0	.0	38	.0	1.8
-9/-10	*	.2	.0	.0	.0	.0	6	.0	.3
-11/-13	.1	.1	.0	.0	.0	.0	4	.0	.2
TOTAL							2190		
PCT	1.0	18.9	62.4	14.4	2.8	.5	100.0	*	100.0

PERIOD: (OVER-ALL) 1963-1971

JULY

AREA 0003 NHA TRANG
12.1N 109.7E

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	.0	.0	.0	0	.7
1-2	.2	.7	.2	.0	.0	.0	1.0
3-4	.0	.0	.3	.0	.0	.0	.3
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.3	.7	.0	.0	0	2.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	.3	.0	.0	.0	.0	1.1
1-2	.2	.7	.2	.0	.0	.0	1.1
3-4	.1	.1	*	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	1.1	.2	.0	.0	.0	2.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.9	.1	.0	.0	.0	1.2
1-2	.0	.9	.0	.0	.0	.0	.9
3-4	.0	.0	.2	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.8	.3	.0	.0	.0	2.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.1	.0	.0	.0	0	2.6
1-2	*	2.4	1.0	.0	.0	.0	3.5
3-4	.0	.6	.7	.0	.0	.0	1.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	5.3	1.7	.1	.0	.0	7.6

PERIOD: (OVER-ALL) 1963-1971 JULY AREA 0003 NHA TRANG 12.1N 109.7E

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	2.8	.1	.0	.0	.0	3.5
1-2	.4	5.2	5.2	.0	.0	.0	10.7
3-4	.1	2.3	4.0	.4	.0	.0	6.7
5-6	.0	.6	1.0	.5	.0	.0	2.1
7	.0	.2	.6	.1	.0	.0	.9
8-9	.0	.0	.2	.2	.0	.0	.4
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	11.1	11.1	1.2	.0	.0	24.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	2.3	.0	.0	.0	.0	2.9
1-2	.2	6.0	8.2	.0	.0	.0	14.4
3-4	*	1.4	7.5	2.3	.0	.0	11.2
5-6	.0	.7	3.8	1.5	.0	.0	6.1
7	.0	*	1.5	1.5	.1	.0	3.1
8-9	.0	.0	.4	.7	.0	.0	1.1
10-11	.0	.0	.2	.6	.1	.0	.9
12	.0	.0	.0	.1	*	.0	.1
13-16	.0	.0	.0	.2	.0	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	10.4	21.6	6.9	.2	.0	40.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	1.8	.0	.0	.0	.0	2.6
1-2	.9	2.7	2.0	.0	.0	.0	5.4
3-4	.4	1.1	2.0	.2	.0	.0	4.0
5-6	.0	.1	1.1	.2	.1	.0	1.5
7	.0	.0	.4	.7	.0	.0	1.1
8-9	.0	.0	.2	.0	.0	.0	.2
10-11	.0	.0	.0	.2	.0	.0	.2
12	.0	.0	.1	.0	.1	.0	.2
13-16	.0	.0	.0	.0	.1	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	5.7	6.9	1.2	.2	.0	15.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.9	.0	.0	.0	.0	1.5
1-2	.1	.8	.5	.0	.0	.0	1.3
3-4	.0	.5	.4	.1	.0	.0	1.1
5-6	.0	.0	.3	.0	.0	.0	.3
7	.0	.0	.1	*	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	2.2	1.3	.1	.0	.0	4.3

JULY

PERIOD: (OVER-ALL) 1963-1971

AREA 0003 NHA TRANG
12.1N 109.7E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.6	11.6	.2	.0	.0	.0	18.4	
1-2	1.4	19.2	17.4	.0	.0	.0	38.0	
3-4	.3	6.1	15.6	2.9	.0	.0	25.0	
5-6	.1	1.4	6.2	2.2	.1	.0	10.0	
7	.0	.2	2.7	2.4	.1	.0	5.3	
8-9	.0	.0	.8	.9	.0	.0	1.7	
10-11	.0	.0	.3	.7	.1	.0	1.1	
12	.0	.0	.1	.1	.1	.0	.3	
13-16	.0	.0	.0	.2	.1	.0	.3	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1126
TOT PCT	8.3	38.5	43.3	9.4	.4	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.5	24.7	20.3	6.7	2.9	1.0	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	799	3
6-7	.0	1.6	3.5	3.3	3.2	.9	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	185	5
8-9	.1	.5	.2	.9	1.5	1.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	70	7
10-11	.0	.0	.1	.0	.1	.2	.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	9
12-13	.0	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	9
>13	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	11
INDET	13.3	2.8	2.7	.9	.7	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	283	1
TOTAL	215	402	363	160	118	51	25	15	8	0	0	0	0	0	0	0	0	0	0	1357	3
PCT	15.8	29.6	26.8	11.8	8.7	3.8	1.8	1.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1928-1971
(OVER-ALL) 1955-1971

AREA 0003 NHA TRANG
12.0N 109.7E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG W0 PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.1	*	*	.0	.0	.0	.0	.1		.0	.0	.0		.0	1.2	
NE	*	.0	.0	.0	.0	.0	.0	*		.0	.0	.0		.0	1.8	
E	*	.0	.0	.0	.0	.0	.0	*		.0	.0	*		.0	2.4	
SE	*	*	*	.0	.0	.0	.0	*		*	.0	*		.0	5.5	
S	.2	.2	.1	.0	.0	.0	.0	.3		.4	*	.1		*	25.3	
SW	.4	.1	.1	.0	.0	.0	.0	.6		.7	*	.1		*	43.8	
W	.5	.1	.2	.0	.0	.0	.0	.8		.2	.0	*		.0	12.1	
NW	.1	.1	.1	.0	.0	.0	.0	.2		*	.0	.0		.0	2.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	.0	.0	*	.0	.0	.0	.0	*		.0	.0	.0		.0	1.2	
TOT OBS	34	11	12	0	0	0	0		57	30	1	9		1	2135	2232
TOT PCT	1.5	.5	.5	.0	.0	.0	.0	2.6		1.3	*	.4		*	95.7	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG W0 PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	1.1	.2	.2	.0	.0	.0	.0	1.8								
06&09	1.5	.6	.4	.0	.0	.0	.0	2.5		.0	.0	.4		.2	97.7	
12&15	1.6	.5	.9	.0	.0	.0	.0	3.0		.0	.0	.8		.0	96.8	
18&21	1.9	.7	.3	.0	.0	.0	.0	2.9		2.5	.2	.4		.0	94.2	
TOT	34	11	12	0	0	0	0		57	2.7	.0	.2		.0	94.2	
PCT	1.5	.5	.5	.0	.0	.0	.0	2.5		30	1	9		1	2149	2246
										1.3	*	.4		*	95.7	

AUGUST

PERIOD (PRIMARY) 1928-1971
(OVER-ALL) 1855-1971

AREA 0003 NHA TRANG
12.0N 109.7E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	3	7	2	0	0	0		1 2	6 9	1 9	6	2 2	.7	6	8	.9	1.0
NE	4	1 2	1	0	0	0		1 6	5 9	1 4	2 3	1 7	2.6	1 6	2.2	1 4	.6
E	5	1 4	2	*	0	0		2 0	6 6	1 3	2 9	2 8	3.9	1 8	2 2	1.7	6
SE	5	3 6	8	0	0	0		4 9	7 6	1 7	6 6	5 8	9.3	7 1	4 7	3 1	2 5
S	1 2	13 6	10 0	1 1	0	0		26.0	10 8	17 6	27 3	26 6	30.9	33.1	29.2	22 8	24..
SW	1 0	13 9	25 9	6 3	3	0		47.3	14 5	51 1	50 7	44 2	42 6	46.6	42 5	49 8	49.3
W	7	4 5	6 0	1 2	1	0		12 5	12 9	18 3	7 8	12 5	7 2	6 9	14.1	15 0	14 5
NW	3	1 6	5	*	0	0		2 4	8 3	4 3	6	2 0	6	1 7	3 6	2 5	3 0
VAR	0	0	0	0	0	0		.0	0	0	0	0	.0	.0	0	.0	.0
CALM	2 1							2 1	0	2 5	1 2	2.3	2 3	6	6	2 8	3.6
TOT OBS	219	1274	1370	272	14	0	3149		12 2	525	173	575	303	527	179	532	335
TOT PCT	7 0	40 5	43 5	8 6	4	0		100.0		100 0	100 0	100 0	100 0	100.0	100 0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)							HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	6	6	0	0	0		1 2	6 9	1 6	1.7	.7	1.0
NE	1 0	6	.0	0	0		1 6	5.9	1 6	2.0	1.8	1 1
E	1 2	8	.0	*	0		2 0	6.6	1 7	3 2	1.9	1.3
SE	2 2	2 6	1	0	.0		4 9	7.6	2 9	7 0	6.5	2.9
S	6.2	15 4	4 2	2	0		26 0	10 8	20 0	28.1	32.1	23.6
SW	5.1	24.1	16 4	1 6	1		47.3	14.5	51 0	43.6	45.6	49.6
W	2.4	6.8	2 9	4	.1		12.5	12.9	15 7	10.6	8.7	14.8
NW	1.0	1 3	1	.0	.0		2.4	8 3	3.4	1.5	2.2	2.7
VAR	0	0	.0	0	.0		0	0	.0	.0	.0	.0
CALM	2.1						2.1	0	2.1	2.3	.6	3.0
TOT OBS	682	1642	747	72	6	3149		12 2	698	878	706	867
TOT PCT	21 7	52 1	23.7	2.3	.2		100 0		100 0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1928-1971
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.1	5.9	41.7	42.7	7.3	.3	.0	11.7	100.0	698
06&09	2.3	6.7	38.4	41.6	10.6	.5	.0	12.3	100.0	878
12&15	.6	2.5	41.8	46.6	8.1	.4	.0	12.6	100.0	706
18&21	3.0	4.2	40.5	43.6	8.2	.6	.0	12.0	100.0	867
TOT	65	154	1274	1370	272	14	0	12.2		3149
PCT	2.1	4.9	40.5	43.5	8.6	.4	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.2	.3	.7	.4		5.4
NE	.2	.4	.8	.2		5.0
E	.2	.6	1.2	.4		5.2
SE	1.3	1.6	1.9	.4		4.2
S	7.1	6.7	9.1	2.4		4.2
SW	9.4	9.1	20.5	6.1		4.8
W	2.6	2.0	6.8	2.9		5.2
NW	.3	.5	1.6	.8		5.7
VAR	.0	.0	.0	.0		.0
CALM	.2	.1	.4	.5		5.3
TOT OBS	317	316	635	207	1475	4.7
TOT PCT	21.5	21.4	43.1	14.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH >4/8) AND OCCURRENCE OF MH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MH <5/8 ANY NOT	TOTAL OBS
.1	.0	.1	.1	..	.1	.1	.0	.0	.1	1.0	
.0	.0	.0	*	.2	.2	.0	.1	.0	*	1.1	
.0	.1	.0	.1	.2	.5	.1	.1	.0	.1	1.4	
.0	.0	.0	.0	.2	.3	*	.2	.0	*	4.6	
.0	.0	.0	.2	1.7	1.7	1.0	1.2	.2	.3	19.0	
.1	.0	.4	1.4	4.2	5.0	.8	1.5	1.5	.5	29.7	
.1	.0	.1	.2	1.6	1.6	.2	.3	.4	.4	9.4	
*	.0	.1	.0	.4	.6	.3	.1	.1	*	1.5	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.1	.0	.1	.1	.0	.0	.0	.0	.9	
4	1	10	29	131	149	37	49	32	20	1013	1475
.3	.*	.7	2.0	8.9	10.1	2.5	3.3	2.2	1.4	68.7	100.0

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PERIOD: (PRIMARY) 1928-1971
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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (MM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5
= OR >5000	6.6	6.8	6.8	6.8	6.8	6.8	6.8	6.8
= OR >3500	8.9	9.3	9.3	9.3	9.3	9.3	9.3	9.3
= OR >2000	17.1	19.3	19.4	19.4	19.4	19.4	19.4	19.4
= OR >1000	24.2	27.8	28.1	28.1	28.1	28.1	28.1	28.1
= OR >600	25.3	29.6	29.9	30.0	30.0	30.0	30.0	30.0
= OR >300	25.8	30.2	30.6	30.7	30.7	30.7	30.7	30.7
= OR >15%	25.8	30.3	30.6	30.8	30.8	30.8	30.8	30.8
= OR > 0	26.0	30.5	30.8	31.0	31.0	31.0	31.0	31.0
TOTAL	386	453	458	461	461	461	461	461

TOTAL NUMBER OF OBS: 1485

PCT FREQ MM (5/8: 69.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
9.2	12.4	23.2	13.7	11.1	7.4	10.1	5.9	6.8	.1	1559

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PERIOD: (PRIMARY) 1928-1971
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	*	*	.0	.0	.0	.0	*	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	*	*	.0	.0	.0	.0	*	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	*	.1	.0	.0	.0	.1	
1<2	NO PCP	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
	TOT %	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	
	PCP	*	.0	.0	.0	*	*	.1	*	.0	.0	.2	
2<5	NO PCP	.0	.0	*	.1	.2	.3	.1	.0	.0	.0	.7	
	TOT %	*	.0	*	.1	.3	.3	.1	*	.0	.0	.9	
	PCP	.0	.0	*	*	.1	.4	.5	.1	.0	*	1.2	
5<10	NO PCP	.1	.3	.4	.5	2.8	4.9	1.7	.4	.0	.1	11.2	
	TOT %	.1	.3	.4	.5	2.9	5.3	2.1	.5	.0	.2	12.4	
	PCP	.1	*	.0	*	.2	.3	.2	.1	.0	.0	.9	
10+	NO PCP	1.1	1.5	2.0	5.0	22.9	39.5	10.5	1.9	.0	1.0	85.5	
	TOT %	1.2	1.6	2.0	5.0	23.1	39.8	10.8	2.0	.0	1.0	86.5	
	TOT OBS												2232
	TOT PCT	1.4	1.9	2.4	5.6	26.3	45.5	13.1	2.6	.0	1.2	100.0	

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PERIOD: (PRIMARY) 1928-1971
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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	*	*	.0	.0	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	*	*	.0	.0	.0	.0	*	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	*	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
1<2	4-10	.0	.0	.0	.0	.1	*	.1	.0	.0		.2	
	11-21	.0	.0	.0	.0	.1	.1	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	*	*	*	.0	.0		.1	
	TOT %	*	.0	.0	.0	.2	.1	.1	*	.0	.0	.4	
	0-3	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	*	
2<5	4-10	*	.0	*	*	*	.1	*	*	.0		.4	
	11-21	.0	.0	.0	.0	.2	.5	.2	*	.0		.9	
	22+	.0	.0	.0	.0	.1	.1	.0	.0	.0		.2	
	TOT %	*	.0	*	*	.3	.7	.2	.1	.0	.0	1.5	
	0-3	*	.1	*	*	*	*	*	.0	.0	.2	.5	
5<10	4-10	*	.2	.3	.3	1.1	1.2	.7	.4	.0		4.3	
	11-21	.1	*	*	.1	1.2	2.9	.8	.1	.0		5.2	
	22+	.0	.0	*	.0	.3	1.0	.4	.0	.0		1.7	
	TOT %	.1	.3	.4	.5	2.7	5.1	2.0	.5	.0	.2	11.7	
	0-3	.3	.3	.5	.5	1.1	.7	.6	.2	.0	1.4	5.5	
10+	4-10	.7	1.1	1.2	3.4	12.9	12.4	3.9	1.2	.0		36.9	
	11-21	.2	*	.1	.7	8.2	22.6	5.2	.4	.0		37.5	
	22+	.0	.0	.0	.0	.6	4.9	.9	*	.0		6.5	
	TOT %	1.1	1.5	1.9	4.6	22.8	40.7	10.6	1.8	.0	1.4	86.4	
	TOT OBS												2655
	TOT PCT	1.3	1.7	2.3	5.1	26.0	46.6	13.0	2.4	.3	1.6	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.2	.0	.5	1.5	8.6	8.1	1.7	2.9	2.9	1.5	27.9	72.1	408
06&09	.3	.3	.5	1.6	8.3	8.0	1.9	2.7	2.9	1.1	27.5	72.5	374
12&15	.0	.0	1.0	1.0	9.5	12.6	3.6	3.9	2.3	1.8	35.8	64.2	388
18&21	.5	.0	.5	3.4	7.4	10.0	2.4	3.2	.0	.8	28.2	71.8	379
TOT	4	1	10	29	131	150	37	49	32	20	463	1086	1549
PCT	.3	.1	.6	1.9	8.5	9.7	2.4	3.2	2.1	1.3	29.9	70.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.5	7.7	91.8	391
06&09	.0	.0	.0	.0	8.6	91.4	359
12&15	.0	.0	.0	1.9	13.2	84.9	371
18&21	.0	.0	.8	.5	14.2	84.4	365
TOT	0	0	3	11	162	1310	1486
PCT	.0	.0	2	.7	10.9	88.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.3	.8	2.8	26.6	70.6	391
06&09	.3	1.1	2.5	25.9	71.6	359
12&15	.3	1.3	4.0	34.8	61.2	371
18&21	.5	1.1	5.5	23.8	70.7	365
TOT	5	16	55	413	1018	1486
PCT	.3	1.1	3.7	27.8	68.5	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	0	.0	.0	.1	.0	.0	.0	2	.1
90/94	.0	.0	.0	.3	1.9	.6	.5	.1	51	3.4
85/89	.0	.0	.0	.1	1.8	9.3	5.9	1.3	278	18.3
80/84	.0	.0	.0	.1	.4	10.7	40.7	14.6	1006	66.4
75/79	.0	.0	.0	.0	.0	.1	4.8	6.9	178	11.7
TOTAL	0	0	0	6	65	314	764	346	1515	100.0
PCT	.0	.0	.0	.4	4.3	20.7	51.7	22.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	*	*	1	.0	.0	.0	.0	.0
*	.1	.1	.4	1.3	.9	.4	.1	.0	.0
.3	.2	.7	1.8	5.9	5.8	2.7	.6	.0	.4
1.1	1.4	1.5	3.1	15.0	32.4	9.5	1.7	.0	.7
.1	.1	.1	.1	1.8	6.8	2.2	.5	.0	.1
1.6	1.8	2.4	5.4	24.1	45.9	14.7	3.0	.0	1.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	92	90	86	82	78	76	73	82.2	694
06&09	95	93	90	84	79	77	76	83.9	861
12&15	90	88	85	82	78	76	75	82.1	700
18&21	90	85	84	82	77	75	73	81.3	856
TOT	95	90	87	82	78	76	73	82.4	3111

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	3	3.7	20.9	52.1	23.0	84	382
06&09	.0	.6	12.4	37.2	39.2	10.4	79	355
12&15	.0	5	1.3	15.5	55.3	27.4	86	394
18&21	.0	.0	.5	11.3	59.2	29.0	86	397
TOT	0	6	65	318	791	348	84	1528

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	*	.2	5	.0	.2
11/13	.0	.0	.1	.1	*	.1	7	.0	.1
9/10	.0	.0	.3	.2	.1	*	16	.0	.8
7/8	.0	.2	.5	.6	.9	*	46	.0	2.2
6	.0	*	.4	.4	.3	*	26	.0	1.2
5	.0	.5	1.1	1.3	.8	*	78	.0	3.7
4	.1	.8	3.6	2.1	.5	.0	149	.0	7.1
3	.0	.3	1.1	2.0	.2	.0	78	.0	3.7
2	.2	1.2	8.0	2.7	.2	.0	261	.0	12.4
1	.0	1.1	4.8	2.2	*	.0	171	.0	8.1
0	.0	2.1	17.4	1.6	.1	.0	445	*	21.1
-1	*	.8	5.9	.8	.0	.0	159	.0	7.6
-2	.1	4.1	9.9	.3	.0	.0	303	.0	14.4
-3	.1	1.5	3.0	.1	.0	.0	99	.0	4.7
-4	.3	2.0	3.0	.2	.0	.0	113	.0	5.4
-5	.1	1.6	1.5	*	.0	.0	69	.0	3.3
-6	*	.9	.7	.0	.0	.0	35	.0	1.7
-7/-8	.0	.9	.6	.0	0	.0	31	.0	1.5
-9/-10	.1	.2	.0	.0	.0	.0	8	.0	.4
-11/-13	.0	*	.0	.0	.0	.0	1	.0	*
TOTAL							2100		
PCT	1.2	18.4	61.9	14.7	3.3	.5	100.0	*	100.0

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TABLE 18

AREA 0003 NHA TRANQ
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.1	.0	.0	.0	.0	.3
1-2	.4	.9	.0	.0	.0	.0	1.3
3-4	.0	.1	.1	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	6	1.0	.1	.0	.0	.0	1.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.3
1-2	.2	.5	.1	.0	.0	.0	.8
3-4	.0	*	.1	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.7	.2	.0	.0	.0	1.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	0	.0	.0	.0	.4
1-2	.0	1.2	.0	.0	.0	.0	1.2
3-4	.0	.1	.2	.0	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.7	.2	.0	.0	.0	1.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.9	*	.0	.0	.0	1.2
1-2	.2	2.5	.5	.0	.0	.0	3.1
3-4	.0	.4	.2	.0	.0	.0	.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.8	.7	.0	.0	.0	4.9

PERIOD: (OVER-ALL) 1963-1971

AUGUST

TABLE 18

AREA 0003 NWA TRANS
12.0N 109.7E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	2.0	.1	.0	.0	.0	2.6
1-2	.6	8.5	4.2	.0	.0	.0	13.3
3-4	.0	2.6	3.4	.4	.0	.0	6.3
5-6	.0	.3	1.0	.3	.0	.0	1.7
7	.0	.1	.5	.1	.0	.0	.7
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.1	.0	.0	.0	.1
12	0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	13.5	9.5	.7	.0	.0	24.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	1.6	.1	.0	.0	.0	1.7
1-2	.2	7.0	7.1	.0	.0	.0	14.4
3-4	.0	5.0	14.3	2.3	.0	.0	21.5
5-6	.0	.4	4.2	1.1	.1	.0	5.7
7	.0	.0	2.0	.7	*	.0	2.7
8-9	.0	.1	.1	.7	.0	.0	.8
10-11	.0	.0	.4	.7	.0	.0	1.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	14.1	28.1	5.4	.1	.0	48.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.6	.1	.0	.0	.0	1.9
1-2	.4	3.6	1.7	.0	.0	.0	5.8
3-4	.0	.6	3.2	.5	.0	.0	4.3
5-6	.0	0	1.1	.2	.0	.0	1.3
7	.0	.0	.2	.1	*	.0	.4
8-9	.0	.0	.1	.0	.1	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	5.8	6.5	.8	.1	.0	14.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.5	.0	.0	.0	.0	.6
1-2	.1	1.0	.3	.0	.0	.0	1.5
3-4	.0	.3	.3	.0	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.8	.6	.0	.0	.0	2.6

PERIOD: (OVER-ALL) 1963-1971

AREA 0003 NHA TRANG
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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.8	7.1	.4	.0	.0	.0	10.3	
1-2	2.0	25.3	13.9	.0	.0	.0	41.2	
3-4	.1	8.9	21.6	3.1	.0	.0	33.8	
5-6	.0	.7	6.3	1.5	.1	.0	8.6	
7	.0	.1	2.7	.9	.1	.0	3.8	
8-9	.0	.1	.3	.6	.1	.0	1.1	
10-11	.0	.0	.6	.6	.0	.0	1.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1081
TOT PCT	4.9	42.2	45.7	6.9	.3	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.3	28.9	29.2	5.8	2.2	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	901	3
6-7	.0	1.5	4.2	3.8	1.8	1.1	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	175	5
8-9	.0	.1	.5	.6	.8	.2	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	6
10-11	.0	.2	.2	.0	.3	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	7
12-13	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
>13	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
INDET	5.9	3.1	2.3	.9	.7	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	176	2
TOTAL	107	441	474	146	76	25	27	5	2	0	0	0	0	0	0	0	0	0	0	1303	3
PCT	8.2	33.8	36.4	11.2	5.8	1.9	2.1	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1856-1971

AREA 0003 NHA TRANG
11.9N 109.7E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.4	.3	.2	.0	.0	.0	.1	1.0		.3	.0	.0		.0	7.8	
NE	.4	.2	.0	.0	.0	.0	.0	.6		.2	.0	.0		.0	5.6	
E	.1	.1	.0	.0	.0	.0	.0	.1		.1	.0	.0		.0	3.1	
SE	.2	.1	.1	.0	.0	.0	.0	.3		.3	.0	.0		.0	4.7	
S	.4	.1	.3	.0	.0	.0	.0	.9		.7	.0	.0		.0	14.2	
SW	1.1	.4	.4	.0	.0	.0	.0	1.9		.8	.0	.1		.0	34.0	
W	.6	.2	.3	.0	.0	.0	.0	1.1		.4	.0	.0		.1	11.3	
NW	.5	.1	.1	.0	.0	.0	.0	.7		.2	.0	.0		.0	6.5	
VAR	† .0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.1	
CALM	.1	.0	.0	.0	.0	.0	.0	.1		.2	.1	.0		.0	3.1	
TOT OBS	72	31	26	0	0	0	1		129	57	1	1		1	1724	1909
TOT PCT	3.8	1.6	1.4	.0	.0	.0	.1	6.8		3.0	.1	.1		.1	90.3	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	2.2	1.0	1.0	.0	.0	.0	.2	4.5		.0	.0	.2		.0	95.3	
06&09	2.3	2.8	.8	.0	.0	.0	.0	5.9		.0	.0	.0		.0	94.1	
12&15	6.2	1.7	1.1	.0	.0	.0	.0	8.7		4.9	.0	.0		.2	86.8	
18&21	4.3	1.0	2.5	.0	.0	.0	.0	7.8		7.0	.2	.0		.0	85.2	
TOT	72	31	26	0	0	0	1		129	57	1	1		1	1735	1920
PCT	3.8	1.6	1.4	.0	.0	.0	.1	6.7		3.0	.1	.1		.1	90.4	

SEPTEMBER

PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1856-1971

AREA 0003 NHA TRANG
11.9N 109.7E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.9	3.9	3.1	.2	.0	.0		8.1	9.9	8.4	9.1	9.1	7.[illegible]	8.3	8.8	7.3	5.8
NE	.6	3.9	1.6	.1	.0	.0		6.2	8.5	5.3	3.7	6.6	8.1	7.6	3.6	7.4	3.9
E	.5	2.3	.4	.0	.0	.0		3.2	6.5	1.7	1.9	3.5	5.2	3.5	6.3	2.4	2.8
SE	.8	3.6	.8	.1	.0	.0		5.2	7.5	1.9	3.6	6.9	11.8	5.4	5.1	4.0	3.6
S	1.5	9.5	5.5	.7	.1	.0		17.3	10.1	12.1	12.8	17.6	23.1	22.4	18.5	16.2	15.4
SW	1.8	13.9	16.1	3.8	.2	.0		35.8	12.7	40.4	41.4	32.0	27.6	35.2	34.1	37.4	39.9
W	.8	6.5	4.5	.7	.1	.0		12.5	10.7	17.0	12.7	11.3	8.2	10.6	11.6	13.0	14.4
NW	.6	3.9	2.1	.2	.0	.0		6.8	9.6	9.6	8.3	6.7	4.4	3.7	9.2	6.5	8.0
VAR	*	.0	.0	.0	.0	.0		*	3.0	.0	.0	.0	.0	.2	.0	.0	.0
CALM	4.8							4.8	.0	3.6	6.5	6.3	3.8	3.1	3.0	5.5	6.3
TOT OBS	349	1340	963	162	10	0	2824		10.2	470	154	537	292	445	168	470	288
TOT PCT	12.4	47.5	34.1	5.7	.4	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.3	4.8	9	.0	.0		8.1	9.9	8.5	8.6	8.4	6.8
NE	2.5	3.5	.3	.0	.0		6.2	8.5	4.9	7.1	6.5	6.1
E	1.9	1.3	.0	.0	.0		3.2	6.5	1.8	4.1	4.2	2.6
SE	2.5	2.6	.1	*	.0		5.2	7.5	2.3	8.7	5.3	3.8
S	5.3	9.8	2.0	.2	.1		17.3	10.1	12.3	19.5	21.3	15.9
SW	7.2	18.9	9.0	.7	.1		35.8	12.7	40.6	30.5	34.9	38.4
W	3.7	6.6	2.0	.2	.0		12.5	10.7	15.9	10.2	10.9	13.6
NW	2.1	3.9	.7	*	.0		6.8	9.6	9.3	5.9	5.2	7.1
VAR	*	.0	.0	.0	.0		*	3.0	.0	.0	.2	.0
CALM	4.8						4.8	.0	4.3	5.4	3.1	5.8
TOT OBS	914	1449	424	34	3	2824		10.2	624	829	613	758
TOT PCT	32.4	51.3	15.0	1.2	.1		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1856-1971

AREA 0003 NHA TRANG
11.9N 109.7E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.3	8.7	46.6	34.8	5.1	.5	.0	10.2	100.0	624
06&09	5.4	8.0	47.6	32.1	6.5	.4	.0	10.0	100.0	825
12&15	3.1	6.0	48.0	36.8	5.7	.3	.0	10.6	100.0	612
18&21	5.8	7.4	47.5	33.6	5.4	.3	.0	10.1	100.0	758
TOT	105	213	1340	963	162	10	0	10.2		2823
PCT	4.8	7.5	47.5	34.1	5.7	.4	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.7	1.3	4.8	3.0		5.6
NE	1.0	1.4	3.1	1.6		5.5
E	.6	.7	1.3	.8		5.2
SE	1.2	1.3	1.8	.8		4.6
S	4.7	3.1	3.9	2.7		4.4
SW	5.9	7.1	14.2	8.2		5.2
W	2.2	1.9	5.0	3.3		5.4
NW	.9	1.0	2.8	2.4		5.7
VAR	.1	.0	.0	.0		2.0
CALM	.9	.7	1.4	1.1		5.2
TOT OBS	243	234	487	302	1266	5.2
TOT PCT	19.2	18.5	38.5	23.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM >4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
.2	.1	.4	.6	1.4	2.2	.3	.1	.1	.0	5.6	
.1	.0	.1	.3	1.3	.8	.1	.1	*	.1	4.0	
.0	.0	.0	.*	.5	.3	.0	.2	.0	.0	2.3	
.1	.0	.0	*	.5	.3	.2	.1	.2	.0	3.7	
.0	.0	.3	.7	1.2	.9	.3	.4	.0	.1	10.5	
.2	.1	.6	1.3	3.7	3.4	.9	1.2	.2	.1	23.6	
.2	.0	.3	.4	1.7	1.6	.4	.3	.1	.1	7.6	
*	.0	.4	.5	1.2	.5	.1	.2	.1	.0	4.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
.0	.0	.0	.1	.3	.3	.0	.0	.0	.0	3.4	
9	2	26	51	150	131	29	33	8	4	823	1266
.7	.2	2.1	4.0	11.8	10.3	2.3	2.6	.6	.3	65.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1856-1971

AREA 0003 NHA TRANG
11.9N 109.7E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.6	.9	.9	.9	.9	.9	.9	.9
= OR >5000	2.9	3.5	3.5	3.5	3.5	3.5	3.5	3.5
= OR >3500	4.9	5.7	5.7	5.8	5.8	5.8	5.8	5.8
= OR >2000	13.4	15.7	15.9	16.0	16.0	16.0	16.1	16.1
= OR >1000	22.4	26.8	27.7	27.9	28.0	28.0	28.0	28.0
= OR >600	24.7	30.4	31.7	31.9	32.0	32.0	32.1	32.1
= OR >300	25.7	31.9	33.6	33.9	34.0	34.0	34.1	34.1
= OR >150	25.7	32.1	33.8	34.0	34.2	34.2	34.2	34.2
= OR > 0	26.1	32.4	34.2	34.6	34.8	34.8	34.9	35.0
TOTAL	332	413	436	441	443	443	444	445

TOTAL NUMBER OF OBS: 1273

PCT FREQ HH <5/8: 65.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.9	14.0	24.9	12.5	9.9	8.2	11.8	5.1	9.2	.4	1343

SEPTEMBER

PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1856-1971

AREA 0003 NHA TRANG
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (MM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.1	.0	.0	.0	*	.1	*	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
	TOT %	.0	.1	.0	.0	.0	*	.1	*	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.3	
1<2	PCP	.0	.0	.0	.1	.1	.0	*	.1	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	TOT %	.0	.0	.0	.1	.1	.0	*	.2	.0	.0	.4	
2<5	PCP	.3	*	.0	.0	.2	.2	.2	*	.0	.0	.9	
	NO PCP	.1	.1	.2	.0	*	.4	.1	.1	.0	.1	1.2	
	TOT %	.4	.2	.2	.0	.2	.6	.3	.1	.0	.1	2.1	
5<10	PCP	.2	.4	.1	.1	.2	.7	.5	.4	.0	.0	2.7	
	NO PCP	1.0	.9	.6	.4	1.8	5.5	1.8	1.2	.0	.5	13.6	
	TOT %	1.3	1.3	.7	.5	2.0	6.2	2.3	1.6	.0	.5	16.4	
10+	PCP	.5	.1	.1	.1	.4	.8	.2	.1	.0	.1	2.4	
	NO PCP	6.9	4.8	2.4	4.5	13.0	28.9	9.7	5.4	.1	2.7	70.3	
	TOT %	7.4	4.9	2.5	4.6	13.4	29.7	9.9	5.5	.1	2.8	80.7	
	TOT OBS												1908
	TOT PCT	9.1	6.4	3.3	5.3	15.7	36.6	12.8	7.4	.1	3.4	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1856-1971

AREA 0003 NHA TRANG
11.9N 109.7E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	*	*	.0	.0		.1	
	11-21	.0	*	.0	.0	.0	.0	*	*	.0		.1	
	22+	.0	.0	.0	.0	.0	*	*	.0	.0		*	
	TOT %	.0	*	.0	.0	.0	.1	.1	*	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	*	.0	.0		*	
	11-21	.0	.0	.0	.0	.0	.1	*	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	*	*	.0	.0		*	
	TOT %	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	*	*	.0	.0	*	
1<2	4-10	.0	.0	0	.1	.1	*	.0	*	.0		.3	
	11-21	0	.0	.0	.0	.0	*	*	.1	.0		.2	
	22+	.0	.0	.0	*	.0	.0	.0	.0	.0		*	
	TOT %	.0	.0	.0	.1	.1	.1	.1	.2	.0	.0	.6	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
2<5	4-10	.2	.1	.2	.0	.2	.4	.1	.1	.0		1.3	
	11-21	.2	*	*	.0	.2	.3	.2	.1	.0		1.1	
	22+	.0	.0	.0	.0	.0	.1	.0	.0	.0		.1	
	TOT %	.4	.2	.2	.0	.4	.9	.3	.2	.0	*	2.5	
	0-3	.1	*	*	*	.1	.1	.1	.:	.0	.6	1.2	
5<10	4-10	.6	.6	.4	.5	1.1	1.3	.8	.8	.0		6.1	
	11-21	.5	.4	.2	*	.6	3.3	.9	.4	.0		6.3	
	22+	*	.0	.0	.0	.1	.9	.1	.1	.0		1.3	
	TOT %	1.2	1.1	.6	.5	1.9	5.5	2.0	1.4	.0	.6	15.0	
	0-3	.7	.5	.5	.8	1.2	1.6	.6	.4	*	3.9	10.2	
10+	4-10	3.3	2.8	1.6	3.1	7.7	11.5	5.6	3.1	.0		38.7	
	11-21	2.6	1.3	.2	.8	5.1	13.4	3.2	1.6	.0		28.3	
	22+	.2	.1	.0	.0	.5	2.8	.5	.1	.0		4.3	
	TOT %	6.8	4.8	2.3	4.7	14.5	29.2	9.9	5.3	*	3.9	81.5	
	TOT OBS												2281
	TOT PCT	8.4	6.1	3.1	5.3	17.0	35.9	12.5	7.1	*	4.5	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1856-1971

AREA 0003 NHA TRANG
11.9N 109.7E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET-NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.3	.6	2.0	3.7	9.8	11.0	1.7	3.4	.6	.0	32.9	67.1	356
06&09	1.5	.0	1.2	4.0	10.1	10.1	4.0	1.5	.6	.3	33.2	66.8	328
12&15	.3	.0	2.9	4.2	13.7	10.2	1.0	3.5	.3	.6	36.7	63.3	313
18&21	.6	.0	1.8	3.7	12.6	8.3	2.2	1.5	.9	.3	32.0	68.0	325
TOT	9	2	26	51	152	131	29	33	8	4	445	877	1322
PCT	.7	.2	2.0	3.9	11.5	9.9	2.2	2.5	.6	.3	33.7	66.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	0	.0	.0	.9	11.0	88.2	346
06&09	.0	.3	1.3	2.2	9.4	86.9	320
12&15	.3	.3	.3	3.3	17.7	77.9	299
18&21	.6	.3	.0	2.3	18.4	78.4	310
TOT	3	3	5	27	178	1059	1275
PCT	.2	.2	.4	2.1	14.0	83.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET-NH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.3	2.9	7.2	26.9	65.9	346
06&09	1.9	3.1	8.8	25.9	65.3	320
12&15	.7	3.7	10.4	28.4	61.2	299
18&21	1.0	3.2	8.4	25.8	65.8	310
TOT	12	41	110	341	824	1275
PCT	.9	3.2	8.6	26.7	64.6	100.0

PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1856-1971

AREA 0003 NHA TRANG
11.9N 109.7E

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	0	0	.5	.0	.0	.0	6	.5
90/94	.0	0	.0	.5	1.0	.8	.1	.0	30	2.3
85/89	.0	.0	0	.5	2.4	8.0	3.8	1.0	205	15.5
80/84	.0	.0	0	.3	2.7	16.1	39.1	10.9	912	69.1
75/79	.0	.0	.0	.0	.0	1.4	4.3	6.7	165	12.5
70/74	.0	.0	0	0	.0	.0	0	.1	1	.1
TOTAL	0	0	0	16	85	347	624	247	1319	100.0
PCT	.0	.0	.0	1.2	6.4	26.3	47.3	18.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
0	.0	.1	.2	.0	.2	.0	.0	.0	.1
.0	.2	.1	.2	.4	.6	.3	.3	.0	.2
1.4	.7	.8	1.9	2.9	4.8	1.6	.9	.0	.6
7.0	5.9	1.7	2.7	9.8	26.1	8.5	5.2	.1	2.3
2.2	.8	.3	.3	.9	3.7	2.2	1.1	.0	1.0
0	.1	.0	.0	.0	0	.0	.0	.0	.0
10.6	7.6	2.9	5.2	14.0	35.3	12.7	7.4	.1	4.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	96	88	86	82	78	76	74	82.1	618
06&09	97	93	90	84	80	76	75	84.0	805
12&15	95	88	85	82	78	77	73	82.1	608
18&21	86	85	84	81	77	75	74	81.1	748
TOT	97	91	87	82	78	76	73	82.4	2779

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-79	80-89	90-100	MEAN	TOTAL OBS
00&03	0	9	6.2	20.3	54.4	18.2	83	340
06&09	.0	3.7	16.0	38.3	33.0	9.0	77	324
12&15	.0	.0	3.2	29.8	48.6	18.4	83	315
18&21	.0	.3	.9	18.1	52.4	28.4	86	349
TOT	0	16	86	350	628	248	82	1328

SEPTEMBER

PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1856-1971

AREA 0003 NHA TRANG
11.9N 109.2E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.1	6	.0	.2
11/13	.0	.0	.0	.1	.3	.4	14	.0	.8
9/10	.0	.0	.2	.2	.3	.3	19	.0	1.1
7/8	.0	.0	.1	.6	.3	.2	21	.0	1.2
6	.0	.1	.1	.3	.2	.1	14	.0	.8
5	.0	.2	.3	1.0	.3	.0	32	.0	1.8
4	.1	.1	2.4	1.5	.3	.0	76	.0	4.3
3	.0	.0	.8	1.1	.1	.1	37	.0	2.1
2	.0	.3	6.3	2.6	.0	.0	163	.0	9.1
1	.0	.1	5.0	1.3	.2	.0	119	.0	6.7
0	.0	1.1	16.8	1.7	.0	.0	350	.0	19.6
-1	.0	.3	6.8	1.7	.0	.0	158	.0	8.9
-2	.1	2.4	13.9	.4	.0	.0	298	.0	16.7
-3	.0	.7	4.8	.2	.0	.0	100	.0	5.6
-4	.1	3.3	4.7	.1	.0	.0	144	.0	8.1
-5	.2	1.5	2.6	.0	.0	.0	77	.1	4.3
-6	.1	1.3	.8	.0	.0	.0	49	.0	2.7
-7/-8	.2	3.7	.4	.0	.0	.0	78	.0	4.4
-9/-10	.3	.8	.1	.0	.0	.0	20	.0	1.1
-11/-13	.2	.2	.0	.0	.0	.0	8	.0	.4
TOTAL							1783		
PCT	1.2	16.6	66.1	12.6	2.1	1.1	100.0	.1	99.8

PERIOD: (OVER-ALL) 1963-1971

SEPTEMBER

TABLE 18

AREA 0003 MHA TRANG 11.9N 109.7E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.5	.0	.0	.0	.0	3.2
1-2	.3	1.4	2.0	.0	.0	.0	3.7
3-4	.0	.5	2.2	.3	.0	.0	3.1
5-6	.0	.0	.6	.0	.0	.0	.6
7	.0	0	.3	.*	.0	.0	.4
8-9	.0	.0	.0	.	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	0	.0	.0	.0	.0	.0	.0
26-32	0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	4.5	5.2	.4	.0	.0	11.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.2	.0	.0	.0	.0	1.4
1-2	.1	1.8	1.2	.0	.0	.0	3.1
3-4	.0	1.0	1.2	*	.0	.0	2.2
5-6	.0	.0	.3	.1	.0	.0	.4
7	.0	.0	.3	.0	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	4.0	2.9	.1	.0	.0	7.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.0	.0	.0	0	.0	1.3
1-2	.2	.7	.4	.0	.0	.0	1.2
3-4	.0	.1	.1	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	1.8	.4	.0	.0	.0	2.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	2.1	*	.0	.0	.0	2.6
1-2	*	.9	.5	.0	.0	.0	1.5
3-4	.0	.3	.1	.0	.0	.0	.4
5-6	.0	.0	*	.0	.0	.0	*
7	.0	0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.3	.7	.0	.0	.0	4.5

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

AREA 0003 NHA TRANG
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.8	.3	.0	.0	.0	2.4
1-2	.4	3.6	2.9	.0	.0	.0	6.8
3-4	.0	1.4	1.2	.2	.0	.0	2.8
5-6	.0	.4	.7	.1	.0	.0	1.2
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	7.1	5.4	.3	.0	.0	13.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	4.0	*	.0	.0	.0	4.8
1-2	.7	5.6	6.1	.0	.0	.0	12.5
3-4	.0	2.9	8.3	1.0	.0	.0	12.2
5-6	.0	.4	3.4	1.0	.0	.0	4.8
7	.0	.0	1.9	.5	.1	.0	2.5
8-9	.0	.0	.1	.1	.0	.0	.3
10-11	.0	.1	.0	.4	.0	.0	.5
12	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	13.1	19.9	3.2	.1	.0	37.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	3.8	.0	.0	.0	.0	4.7
1-2	.1	2.4	2.5	.0	.0	.0	5.0
3-4	.0	.1	1.5	.1	.0	.0	1.7
5-6	.0	.1	.4	.3	.0	.0	.7
7	.0	.0	.5	.1	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.1	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	0	.0	.0	.0	.0	.0
TOT PCT	1.0	6.4	4.9	.4	.1	.0	12.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.3	.0	.0	.0	.0	1.6
1-2	.2	2.1	1.2	.0	.0	.0	3.5
3-4	.0	.3	1.0	.1	.0	.0	1.4
5-6	.0	.0	.1	*	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.6	2.4	.1	.0	.0	6.7

PERIOD. (OVER-ALL) 1963-1971

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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT 885
<1	8 5	17 6	4	0	0	0	26 5	
1-2	2 2	18 1	16 5	0	0	0	36 9	
3-4	0	6 4	15 5	1 8	0	0	23 7	
5-6	0	9	5 4	1 5	0	0	7 8	
7	0	0	3 2	7	1	0	4 0	
8-9	0	0	2	1	0	0	4	
10-11	0	1	0	4	1	0	6	
12	0	0	1	0	0	0	1	
13-16	0	0	0	1	0	0	1	
17-19	0	0	0	0	0	0	0	
20-22	0	0	0	0	0	0	0	
23-25	0	0	0	0	0	0	0	
26-32	0	0	0	0	0	0	0	
33-40	0	0	0	0	0	0	0	
41-48	0	0	0	0	0	0	0	
49-60	0	0	0	0	0	0	0	
61-70	0	0	0	0	0	0	0	
71-86	.0	.0	0	0	0	0	0	
87+	0	.0	0	0	0	0	0	
TOT PCT	10 8	43 2	41 2	4 6	2	0	100 0	854

PERIOD (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4 4	26 9	19 8	4 5	1 5	4	2	.0	0	0	0	0	0	0	0	.0	.0	.0	.0	612	3
6-7	1	1 2	3 9	4 3	2.8	.3	7	.1	.2	0	0	0	0	.0	0	.0	.0	.0	0	144	5
8-9	.0	3	5	1.0	1 1	.6	.5	.2	.1	.0	0	0	0	.0	.0	.0	.0	.0	.0	45	7
10-11	.0	.3	1	5	2	0	1	1	.0	.0	.0	0	0	.0	.0	0	.0	.0	0	13	5
12-13	0	0	3	0	.0	1	.0	1	1	0	0	0	0	.0	.0	.0	.0	0	.0	6	7
>13	0	0	0	0	.3	0	.1	0	0	.0	.1	0	0	.0	.0	.0	.0	.0	.0	5	10
INDET	15 3	2.2	2 2	1 6	.6	.2	.1	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	234	1
TOTAL	210	327	283	127	69	16	17	5	4	0	1	0	0	0	0	0	0	0	0	1059	3
PCT	19 8	30 9	26 7	12.0	6 5	1 5	1 6	.5	.4	.0	1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1928-1971
(OVER-ALL) 1855-1971

AREA 0003 NHA TRANG
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TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	2.0	.8	.4	.0	.0	.0	.0	3.2		.6	*	.1	.0		26.4	
NE	1.6	1.2	.4	.0	.0	.0	*	3.3		.4	*	.2	.0		23.6	
E	.4	.3	.1	.0	.0	.0	.0	.8		.1	.0	*	.0		5.9	
SE	.2	.1	*	0	.0	.0	.0	.3		*	.0	.0	.0		3.6	
S	.3	*	.1	.0	.0	.0	.0	.4		.1	.0	.0	.0		4.8	
SW	.7	.2	.2	.0	.0	.0	.0	1.1		.1	*	.0	.0		7.5	
W	.9	.2	.1	.0	.0	.0	.0	1.2		*	.1	.0	.0		4.6	
NW	1.0	.1	.3	.0	.0	.0	.0	1.5		.1	.1	.0	*		8.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0	
CALM	.1	*	0	.0	.0	0	.0	.1		*	*	*	.0		1.6	
TOT OBS	162	69	38	0	0	0	1		268	32	6	7	1		1957	2271
TOT PCT	7.1	3.0	1.7	.0	.0	.0	*	11.8		1.4	.3	.3	*		86.2	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	8.1	3.8	1.2	.0	.0	.0	.0	13.1								
06&09	6.4	3.1	2.3	.0	.0	.0	.0	11.7		.0	.3	.0		.0	86.5	
12&15	6.7	2.0	2.1	.0	.0	.0	.2	11.0		.0	.2	.5		.2	87.5	
18&21	7.0	3.4	1.0	.0	.0	.0	.0	11.3		2.8	.2	.4		.0	85.6	
TOT	163	71	38	0	0	0	1		271	3.4	.3	.3		.0	84.6	
PCT	7.1	3.1	1.7	.0	.0	.0	*	11.8		36	6	7	1		1980	2301
										1.6	.3	.3	*		86.0	

OCTOBER

PERIOD: (PRIMARY) 1928-1971
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TABLE 3

AREA 0003 NHA TRANG
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PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.0	10.9	13.1	3.3	.2	.0		28.5	13.0	25.4	41.2	28.2	29.6	26.3	34.6	25.1	31.3
NE	1.4	12.7	11.9	1.9	.2	.0		28.1	11.8	27.2	17.2	31.9	30.2	32.4	21.8	28.4	22.6
E	1.0	5.1	1.5	.3	*	.0		7.9	8.3	7.7	5.2	5.9	11.8	9.7	6.5	7.2	8.5
SE	1.0	2.7	.7	.1	.0	.0		4.6	7.3	2.7	3.4	4.1	6.5	5.7	3.4	5.3	4.6
S	.7	2.4	1.8	.2	*	.0		5.1	9.7	5.2	5.4	6.0	3.2	5.0	5.9	5.0	5.0
SW	.5	3.5	3.1	.8	1	*		8.1	12.4	7.3	9.6	7.3	7.0	7.8	9.9	9.7	7.7
W	.7	2.9	1.6	.4	.2	*		5.7	10.9	9.6	4.4	4.9	4.4	3.9	5.6	6.0	5.2
NW	1.0	3.9	4.0	.7	.1	.0		9.7	11.4	12.0	12.1	9.0	6.1	7.1	10.6	10.2	11.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.5							2.5	.0	2.8	1.5	2.7	1.3	2.1	1.9	3.1	3.3
TOT OBS	310	1387	1185	241	24	1	3148		11.2	505	198	600	314	518	162	517	334
TOT PCT	9.8	44.1	37.6	7.7	.8	*		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3F

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	4.7	15.7	7.3	.8	.0		28.5	13.0	29.9	28.7	28.3	27.5
NE	5.5	16.2	5.8	.5	.0		28.1	11.8	24.4	31.3	29.9	26.1
E	3.7	3.3	.8	*	.0		7.9	8.3	7.0	7.9	8.9	7.7
SE	2.5	1.7	.3	.0	.0		4.6	7.3	2.9	5.0	5.1	5.1
S	1.9	2.5	.6	*	.0		5.1	9.7	5.3	5.0	5.2	5.0
SW	1.8	4.2	1.6	.4	*		8.1	12.4	8.0	7.2	8.3	8.9
W	2.1	2.5	.8	.2	*		5.7	10.9	8.1	4.7	4.3	5.7
NW	2.7	4.9	1.8	.2	.0		9.7	11.4	12.1	8.0	7.9	10.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.5						2.5	.0	2.4	2.2	2.1	3.2
TOT OBS	866	1607	600	73	2	3148		11.2	703	914	680	851
TOT PCT	27.5	51.0	19.1	2.3	.1		100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1928-1971
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.4	7.8	43.2	38.5	7.4	.6	0	11.1	100.0	703
06&09	2.2	7.0	41.4	38.7	9.5	1.1	.1	11.9	100.0	914
12&15	2.1	7.1	46.0	37.4	6.9	.6	.0	11.2	100.0	680
18&21	3.2	7.6	46.1	36.0	6.5	.7	.0	10.	100.0	851
TOT	78	232	1387	1185	241	24	1	11.2		3148
PCT	2.5	7.4	44.1	37.6	7.7	.8	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	4 3	5.4	11 0	8.8		5.5
NE	4 9	6.8	10.6	6.6		5.1
E	1.3	1.5	2.1	1.1		4.7
SE	1 0	.9	.9	.6		4.3
S	1.1	.7	1.3	1.7		5.3
SW	.8	1.3	3.3	3.5		6.0
W	8	6	2.4	2.9		6.1
NW	1 1	.9	3.4	4.8		6.2
VAR	.0	.0	0	.0		.0
CALM	5	.5	.4	.1		3 9
TOT OBS	240	284	536	457	1517	5.4
TOT PCT	15.8	18.7	35.3	30.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH) 4/8) AND OCCURRENCE OF MH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MH <5/8 ANY HGT	TOTAL OBS
N	.1	.0	.5	1.2	4.1	5.2	1.3	.8	.7	.2	15.2	
NE	.2	.2	.3	1.7	3.2	4.1	1.2	.2	.4	.2	17.1	
E	.0	.0	.1	.5	1.0	.6	.0	.0	.1	.0	3.8	
SE	.1	.0	.1	.2	.2	.5	.1	.1	.0	.0	2.0	
S	.1	.0	*	.1	.9	.7	*	.0	.1	.0	2.8	
SW	.1	.1	.1	.4	1.3	6	.2	.2	.1	.1	6.0	
W	.1	.0	.1	.3	1.3	1.2	*	.2	.1	.2	3.3	
NW	*	.0	.1	.6	2.2	2.4	.2	.2	.3	.1	4.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.1	.1	.0	.0	.1	.1	.0	1.3	
TOT OBS	10	4	20	77	218	233	46	26	28	12	843	1517
TOT PCT	.7	.3	1 3	5.1	14.4	15.4	3.0	1.7	1.8	.8	55.6	100.0

OCTOBER

PERIOD: (PRIMARY) 1970-1971
(OVER-ALL) 1855-1971

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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = 0R >10	= 0R >5	= 0R >2	= 0R >1	= 0R >1/2	= 0R >1/4	= 0R >50YD	= 0R >0
= 0R >6500	2.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6
= 0R >5000	3.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3
= 0R >3500	5.9	7.2	7.3	7.3	7.3	7.3	7.3	7.3
= 0R >2000	14.8	21.9	22.4	22.4	22.5	22.5	22.5	22.5
= 0R >1000	23.2	35.2	36.4	36.5	36.7	36.7	36.7	36.7
= 0R >600	25.4	39.4	41.1	41.4	41.7	41.7	41.7	41.7
= 0R >300	25.8	40.3	42.4	42.7	43.0	43.0	43.0	43.0
= 0R >150	26.0	40.5	42.6	42.9	43.3	43.3	43.3	43.3
= 0R > 0	26.5	41.2	43.3	43.6	43.9	43.9	43.9	43.9
TOTAL	407	633	665	670	675	675	675	675

TOTAL NUMBER OF OBS: 1537 PCT FREQ HH <5/8: 56.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
2.5	8.2	21.0	12.9	11.6	8.6	11.9	5.5	17.4	.5	1636

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PERIOD: (PRIMARY) 1928-1971
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	*	*	*	*	*	*	.0	.0	.3	
	NO PCP	.0	0	.0	.0	0	0	.0	.0	.0	.0	.0	
	TOT %	*	*	*	*	*	*	*	*	.0	.0	.3	
1/2<1	PCP	*	.1	.1	.0	.0	*	.1	*	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	.1	.1	.0	.0	*	.1	*	.0	.0	.3	
1<2	PCP	.1	.1	*	.0	.0	*	.0	.1	.0	.0	.4	
	NO PCP	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	TOT %	.2	.2	*	0	.0	*	.0	.1	.0	.0	.5	
2<5	PCP	6	.4	.1	.1	.1	.2	.1	.1	.0	.0	1.7	
	NO PCP	.5	.3	.1	.1	.1	.1	.1	.2	.0	.0	1.6	
	TOT %	1.1	.8	.2	.2	.2	.3	.2	.4	.0	.0	3.3	
5<10	PCP	1.7	1.5	.3	.1	.1	.4	.6	1.0	.0	*	5.6	
	NO PCP	5.6	4.7	1.0	.7	1.0	2.2	.8	2.4	.0	.3	18.7	
	TOT %	7.3	6.2	1.2	.8	1.1	2.6	1.4	3.4	.0	.4	24.3	
10+	PCP	.7	1.2	.2	.1	.2	.5	.4	.2	.0	.1	3.5	
	NO PCP	20.9	19.1	5.1	2.9	3.8	5.2	3.7	5.8	.0	1.4	67.9	
	TOT %	21.6	20.3	5.3	3.0	4.0	5.7	4.1	6.0	.0	1.5	71.3	
	TOT OBS												2271
	TOT PCT	30.2	27.4	6.9	4.0	5.3	8.7	5.9	9.9	.0	1.8	100.0	

PERIOD. (PRIMARY) 1928-1971
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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	0	.0	.0	.0	.0	
<1/2	4-10	*	.1	*	.0	*	*	*	*	.0		.2	
	11-21	*	*	.0	*	.0	.0	.0	*	.0		.1	
	22+	0	0	*	.0	.0	.0	.0	.0	.0		*	
	TOT %	.1	.1	.1	*	*	*	*	*	.0	.0	.4	
	0-3	0	0	0	0	.0	.0	0	.0	.0	.0	.0	
1/2<1	4-10	*	0	*	.0	.0	.0	*	*	.0		.1	
	11-21	0	*	1	0	*	*	.0	.0	.0		.1	
	22+	*	*	0	.0	.0	*	*	.0	.0		.1	
	TOT %	1	*	.1	.0	*	*	.1	*	.0	.0	.3	
	0-3	0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	*	*	*	.0	.0	.0	*	*	.0		.1	
	11-21	.2	.1	.0	0	.0	*	.0	.1	.0		.5	
	22+	1	.1	.0	0	.0	.0	.1	*	.0		.3	
	TOT %	3	.2	*	.0	.0	*	.1	.1	.0	.0	.8	
	0-3	.0	.0	.0	*	.0	.0	.0	.0	.0	*	.1	
2<5	4-10	.3	2	.1	.1	*	.1	.1	*	.0		1.1	
	11-21	8	.6	2	*	.1	.1	.1	.3	.0		2.1	
	22+	.3	.2	.0	.0	.0	.1	.1	.2	.0		.9	
	TOT %	1.4	1.0	3	.2	.2	3	.3	.5	.0	*	4.2	
	0-3	.2	3	.2	.2	.1	.2	.1	.3	.0	.5	1.9	
5<10	4-10	2.6	2 2	.7	.3	.2	.8	6	1.4	.0		8.8	
	11-21	3.3	2 8	.2	.1	.6	1.3	.5	1.2	.0		10.0	
	22+	1.1	.7	.1	*	.1	.1	.1	.3	.0		2.6	
	TOT %	7.2	6 0	1.2	.7	.9	2.3	1.3	3.2	.0	.5	23.2	
	0-3	.7	1.2	.6	7	.5	.3	.5	.6	.0	1.8	6.8	
10+	4-10	8.1	9.6	3.9	2 1	1.9	2.6	2.1	2.5	.0		32.8	
	11-21	9 9	8 7	1.1	.4	1.2	1.9	1.1	2.4	.0		26.8	
	22+	2.2	1.0	.1	*	.2	.7	.1	.3	.0		4 6	
	TOT %	21 0	20.4	5 7	3 2	3.8	5.4	3.0	5.9	.0	1.8	71.0	
	TOT OBS												2656
	TOT PCT	30.0	27.8	7.4	4.2	5.0	8.1	5.6	9.7	.0	2.3	100.0	

PERIOD: (PRIMARY) 1928-1971
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MH >4/8) AND OCCURRENCE OF MH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MH <5/8 ANY HGT	TOTAL OBS
00&03	.7	.5	2.0	5.2	12.8	15.7	2.5	1.2	3.4	.7	44.7	55.3	407
06&09	.5	.0	1.2	4.1	15.8	13.1	3.4	1.5	.7	1.2	41.5	58.5	412
12&15	.8	.3	.8	3.7	11.9	16.1	1.3	2.1	1.3	.8	39.2	60.8	378
18&21	.7	.2	1.0	6.5	14.2	14.0	4.2	1.7	1.5	.2	44.4	55.6	401
TOT	11	4	20	78	219	235	46	26	28	12	679	919	1598
PCT	.7	.3	1.3	4.9	13.7	14.7	2.9	1.6	1.8	.8	42.5	57.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.3	.8	.0	2.0	22.2	74.7	392
06&09	.0	.2	.5	2.5	20.1	76.7	403
12&15	.3	.3	3	2.5	26.7	70.0	360
18&21	.0	.0	.5	3.9	27.1	68.6	388
TOT	2	5	5	42	369	1120	1543
PCT	.1	.3	.3	2.7	23.9	72.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MH >4/8) BY HOUR.

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	MH <5/8 AND 5+	TOTAL OBS
00&03	1.0	4.3	10.7	36.7	52.6	392
06&09	1.0	2.5	8.4	34.2	57.3	403
12&15	1.1	2.5	8.6	33.6	57.8	360
18&21	1.3	2.6	11.3	35.3	53.4	388
TOT	17	46	151	540	852	1543
PCT	1.1	3.0	9.8	35.0	55.2	100.0

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PERIOD: (PRIMARY) 1928-1971
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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.2	.8	.4	.2	.0	26	1.6
85/89	.0	.0	.0	.4	3.2	5.0	1.2	.4	161	10.2
80/84	.0	.0	.0	.1	3.3	20.4	33.8	9.9	1068	67.6
75/79	.0	.0	.0	.0	.4	3.2	8.3	8.4	322	20.4
70/74	.0	.0	.0	.0	.0	.0	.0	.3	4	.3
TOTAL	0	0	0	11	122	459	609	300	1581	100.0
PCT	.0	.0	.0	.7	7.7	29.0	43.6	19.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.7	.4	.0	.1	.1	.0	.2	.1	.0	.0
2.0	3.1	.7	.6	.6	1.2	.6	.7	.0	.2
19.1	19.7	4.2	2.8	3.7	6.7	4.4	5.2	.0	1.6
7.2	5.4	1.2	.3	.5	1.4	1.5	2.9	.0	.0
.1	1	*	.0	.0	.0	.0	*	.0	.0
29.1	29.3	6.2	3.7	4.9	9.3	6.7	8.9	.0	1.8

TABLE 15

MEANS.EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	92	88	85	81	77	75	73	81.1	703
06&09	94	91	89	82	78	75	73	82.7	886
12&15	90	86	85	81	77	74	73	81.1	690
18&21	86	84	83	80	77	75	73	80.2	847
TOT	94	90	86	81	77	75	73	81.3	3126

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.5	4.6	27.4	43.0	24.6	83	391
06&09	.0	2.3	17.9	38.4	29.7	11.8	78	391
12&15	.0	.0	4.8	29.6	48.5	17.1	83	398
18&21	.0	.0	4.0	21.0	52.8	22.2	84	424
TOT	0	11	124	464	701	304	82	1604

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	*	.0	1	.0	*
11/13	.0	.0	.0	*	*	.1	4	.0	.2
9/10	.0	.0	.1	.0	.3	*	9	.0	.4
7/8	.0	*	.4	.2	.7	.0	29	.0	1.4
6	.0	.0	*	.3	.2	.0	13	.0	.6
5	.0	*	.7	.8	.2	.0	36	.0	1.7
4	.0	.2	1.5	1.2	.3	.0	67	.0	3.2
3	.0	.0	1.0	.9	.1	.0	44	.0	2.1
2	*	.6	6.1	1.4	.2	.0	175	.0	8.3
1	.0	.7	5.1	.7	.0	.0	136	.0	6.4
0	.1	4.1	14.5	1.3	.0	.0	425	.1	19.9
-1	.0	2.9	5.4	.3	.0	.0	182	.0	8.6
-2	.1	7.5	10.3	.5	.0	.0	393	.1	18.4
-3	*	4.4	3.6	.3	.0	.0	178	.0	8.4
-4	.8	5.2	3.3	.0	.0	.0	199	.0	9.4
-5	.6	3.4	1.7	.0	.0	.0	122	*	5.7
-6	.2	1.9	.3	.0	.0	.0	51	.0	2.4
-7/-8	.8	1.1	.1	.0	.0	.0	42	.0	2.0
-9/-10	.3	.2	.1	.0	.0	.0	12	.0	.6
-11/-13	.1	.0	.0	.0	.0	.0	2	.0	.1
-14/-16	*	.0	.0	.0	.0	.0	1	.0	*
TOTAL							2121		
PCT	3.2	32.3	54.3	8.0	2.1	.1	100.0	.3	99.7

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TABLE 10

AREA 0003 NHA TRANG 12.1N 109.7E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	2.6	.0	.0	.0	0	3.2
1-2	.3	6.6	5.5	.0	.0	.0	12.4
3-4	.0	1.6	5.5	.9	.0	.0	8.0
5-6	.0	.5	1.4	.8	.0	.0	2.7
7	.0	.0	1.1	.9	.0	.0	2.0
8-9	.0	.0	.4	.6	.0	.0	1.1
10-11	.0	.0	.1	.3	.1	.0	.5
12	.0	.0	.0	.1	.1	.0	.2
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	0	.0	0	.0	.0
TOT PCT	.9	11.2	14.0	3.6	.1	.0	29.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.5	.1	.0	.0	.0	2.2
1-2	.3	9.0	5.0	.0	.0	.0	14.3
3-4	.0	2.5	5.4	.5	.0	.0	8.3
5-6	.0	.5	2.4	[illegible]	.0	.0	3.5
7	.0	.1	1.5		0	.0	2.0
8-9	0	.0	.1	.3	.1	.0	.5
10-11	.0	.0	.1	*	.1	.0	.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	0	.0	.0	.0
20-22	0	.0	.0	.0	.0	.0	.0
23-25	.0	0	.0	.0	.0	.0	.0
26-32	.0	0	.0	.0	.0	.0	.0
33-40	.0	.0	0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	13.5	14.6	1.9	.2	.0	31.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	.0	.0	.0	.0	.8
1-2	.1	2.3	.5	.0	0	.0	2.9
3-4	0	1.1	.6	.1	.0	.0	1.7
5-6	0	.3	.2	.1	0	.0	.5
7	.0	.0	.2	.0	.0	0	.2
8-9	0	.0	.0	0	.0	.0	.0
10-11	0	0	.0	.0	0	.0	.0
12	.0	.0	.0	0	.0	.0	.0
13-16	0	.0	.0	.0	.0	.0	.0
17-19	0	0	.0	.0	.0	.0	0
20-22	0	0	.0	.0	0	.0	.0
23-25	0	0	.0	.0	.0	.0	.0
26-32	0	.0	0	0	.0	.0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	0	.0	0	0	.0	.0	.0
49-60	0	.0	.0	.0	0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	0	0	.0	0	.0	.0	.0
87+	0	0	.0	.0	.0	.0	.0
TOT PCT	3	4.3	1.5	.1	.0	.0	6.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.0	.0	.5
1-2	.2	1.4	.1	.0	.0	.0	1.7
3-4	.0	.1	.1	.1	.0	.0	.4
5-6	.0	.1	.2	.0	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.1	.4	.1	.0	.0	2.9

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TABLE 18

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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.7	.0	.0	.0	.0	.8
1-2	.0	1.5	.6	.0	.0	.0	2.1
3-4	.0	.2	.5	.3	.0	.0	.9
5-6	.0	.0	.3	.1	.0	.0	.4
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	2.4	1.5	.3	.0	.0	4.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.1	.0	.0	.0	.0	1.5
1-2	.0	2.2	1.9	.0	.0	.0	4.1
3-4	.0	.2	1.4	.1	.0	.0	1.8
5-6	.0	.0	.6	.2	.0	.0	.8
7	.0	.0	.2	.2	.0	.0	.4
8-9	.0	.0	*	.2	.0	.0	.2
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.5	4.1	.9	.0	.0	9.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.5	.0	.0	.0	.0	2.0
1-2	.0	1.3	.8	.0	.0	.0	2.1
3-4	.0	.4	1.0	.1	.0	.0	1.6
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.3	.1	.0	.0	.4
8-9	.0	.0	.2	.1	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	0	.0	.0
TOT PCT	.5	3.3	2.5	.2	.0	.0	6.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.9	.1	.0	.0	.0	1.7
1-2	.1	1.8	1.3	.0	.0	.0	3.2
3-4	.0	.8	1.4	.1	.0	.0	2.4
5-6	.0	*	.3	.1	.0	.0	.4
7	.0	.0	.2	.2	.1	.0	.6
8-9	.0	.0	.1	.2	.0	.0	.3
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	*	.0	*
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	3.6	3.4	.9	.1	.0	8.8

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PERIOD: (OVER-ALL) 1963-1971

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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.4	9.3	.2	.0	.0	.0	14.9	
1-2	.9	26.0	15.5	.0	.0	.0	42.5	
3-4	.0	6.8	15.7	2.1	.0	.0	24.7	
5-6	.0	1.4	5.6	1.6	.0	.0	8.8	
7	.0	.1	3.5	1.9	.1	.0	5.6	
8-9	.0	.0	.8	1.4	.1	.0	2.3	
10-11	.0	.0	.2	.6	.2	.0	.9	
12	.0	.0	.0	.2	.1	.0	.3	
13-16	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1074
TOT PCT	6.3	43.6	41.6	8.0	.5	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.9	27.7	19.3	4.5	2.7	1.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	762	3
6-7	.1	2.0	4.5	4.1	3.0	1.6	.7	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	212	5
8-9	.0	.3	.7	2.1	2.9	1.2	.6	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	111	7
10-11	0	.0	.4	.3	.5	.2	.6	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	8
12-13	.0	.0	.2	.1	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	8
>13	.0	.0	.0	.0	.0	.2	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
INDET	8.0	2.1	1.2	.5	.5	.5	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	172	2
TOTAL	143	417	340	150	126	64	29	15	10	4	0	0	0	0	0	0	0	0	0	1298	4
PCT	11.0	32.1	26.2	11.6	9.7	4.9	2.2	1.2	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1856-1971

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TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	3.2	1.4	1.2	.0	.0	.0	.0	5.7		.2	.1	.6		.1	38.4	
NE	1.3	.8	.4	.0	.0	.0	.0	2.6		.3	.0	.5		.0	34.4	
E	.3	.0	.1	.0	.0	.0	.0	.4		.1	.0	.1		.0	4.1	
SE	.0	*	.1	.0	.0	.0	.0	.1		.0	.0	*		.0	1.3	
S	.1	.1	.0	.0	.0	.0	.0	.2		.0	.0	*		.0	1.4	
SW	.1	.0	.0	.0	.0	.0	.0	.1		.0	.0	.0		.0	1.4	
W	.1	.1	.0	.0	.0	.0	.0	.2		.0	.0	.0		.0	.7	
NW	.5	.1	.1	.0	.0	.0	.0	.7		.0	.1	.1		.0	5.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.5	
TOT OBS	109	47	35	0	0	0	0		189	12	2	26		1	1671	1901
TOT PCT	5.7	2.5	1.8	.0	.0	.0	.0	9.9		.6	.1	1.4		.1	87.9	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	5.7	2.3	1.9	.0	.0	.0	.0	9.9		.4	.0	.6		.0	89.2	
06&09	5.9	2.3	1.5	.0	.0	.0	.0	9.4		.0	.4	2.5		.2	87.4	
12&15	5.2	2.6	2.4	.0	.0	.0	.0	10.0		.9	.0	1.1		.0	88.1	
18&21	6.5	2.9	1.6	.0	.0	.0	.0	10.9		1.3	.0	1.3		.0	86.4	
TOT	111	48	35	0	0	0	0		192	12	2	26		1	1681	1914
PCT	5.8	2.5	1.8	.0	.0	.0	.0	10.0		.6	.1	1.4		.1	87.8	

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PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1856-1971

TABLE 3

AREA 0003 NHA TRANG
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PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.3	8.4	19.5	11.0	2.5	3		42.0	18.4	43.2	47.5	42.0	43.7	40.5	41.7	41.0	39.7
NE	.5	9.9	19.6	7.3	.5	*		37.8	15.7	37.5	36.1	37.8	38.3	39.9	38.4	37.6	35.3
E	.4	2.9	2.3	.3	*	.0		5.9	11.1	4.0	5.9	5.3	6.7	6.5	9.5	5.6	7.4
SE	.2	1.1	.6	*	.0	.0		2.0	9.2	1.0	1.1	1.9	1.7	2.6	2.3	2.6	2.4
S	.3	1.1	.5	.1	*	.1		2.1	11.2	2.7	1.:	2.4	1.5	1.8	.0	2.0	3.1
SW	.2	1.1	.3	*	.0	*		1.7	9.0	1.6	2.0	2.5	.2	1.2	.0	2.2	2.6
W	.1	.3	.3	.1	.1	.0		.8	13.9	1.4	.7	.5	.6	.3	.7	1.2	.7
NW	.2	2.2	3.4	.9	.3	.1		7.1	15.6	8.1	5.6	6.7	7.2	6.3	7.4	7.1	7.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.6							.6	.0	.4	.0	.9	.0	.3	.0	.7	1.0
TOT OBS	80	765	1320	560	97	15	2837		16.1	524	153	550	263	466	142	447	292
TOT PCT	2.8	27.0	46.5	19.7	3.4	.5		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	2.8	16.4	16.3	5.5	1.0		42.0	18.4	44.2	42.6	40.8	40.5
NE	3.4	17.1	15 0	2.2	.1		37.8	15.7	37.2	37.9	39.5	36.7
E	1.3	3.6	.9	.1	.0		5.9	11.1	4.4	5.8	7.2	6.3
SE	.7	1.0	.3	.0	.0		2.0	9.2	1.1	1.8	2.5	2.5
S	.8	.9	.3	*	.1		2.1	11.2	2.3	2.1	1.4	2.4
SW	.7	.8	.1	*	*		1.7	9.0	1.7	1.7	.9	2.3
W	.1	.4	.2	.1	.0		.8	13.9	1.3	.5	.4	1.0
NW	.7	3.5	2.3	.4	.1		7.1	15.6	7.5	6.9	6.5	7.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.6						.6	.0	.3	.6	.7	.8
TOT OBS	320	1240	1002	237	38	2837		16.1	677	813	808	739
TOT PCT	11.3	43.7	35.3	8.4	1.3		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1856-1971

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.3	1.8	27.5	45.6	20.8	3.5	.4	16.3	100.0	677
06&09	.6	1.4	28.4	43.9	21.2	3.8	.7	16.4	100.0	813
12&15	.7	2.5	24.7	49.0	19.4	3.3	.5	16.3	100.0	600
18&21	.8	3.4	26.8	48.2	17.5	3.0	.4	15.5	100.0	739
TOT	17	63	765	1320	560	97	15	15.1		2837
PCT	.6	2.2	27.0	46.5	19.7	3.4	.5		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	5.9	6.7	17.1	15.5		5.7
NE	6.8	9.2	15.0	6.8		4.9
E	.7	.8	1.8	1.3		5.4
SE	.1	.6	.3	.3		4.5
S	.3	.1	.6	.7		5.7
SW	.2	.1	.6	.5		5.5
W	.1	.1	.1	.4		5.8
NW	.5	1.0	2.6	2.5		6.0
VAR	.0	.0	.0	.0		.0
CALM	.2	.3	.1	.0		2.5
TOT OBS	190	241	485	354	1270	
TOT PCT	15.0	19.0	38.2	27.9	100.0	5.4

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH) AND OCCURRENCE OF MH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MH <5/8 ANY HGT	TOTAL OBS
.7	.9	1.2	3.2	8.4	7.7	.8	.4	.8	.3	20.6	
.6	*	.7	2.3	4.5	5.2	1.0	.4	.4	.2	22.6	
.1	.0	.1	.2	1.0	.6	.1	.1	.2	.0	2.2	
.0	.0	.0	.0	.1	.3	.0	.0	.1	.0	.8	
.0	.0	.2	.1	.2	.3	.0	.0	.1	.0	.9	
.0	.0	.0	*	.2	.2	.0	.0	*	.1	.9	
.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.3	
.1	.2	.3	.3	1.8	1.2	.2	.0	.2	.0	2.2	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.8	
19	15	31	78	210	199	27	11	24	7	649	1270
1.5	1.2	2.4	6.1	16.5	15.7	2.1	.9	1.9	.6	51.1	100.0

PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1856-1971

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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	2.0	2.3	2.4	2.4	2.4	2.4	2.4	2.4
= OR >5000	2.5	3.1	3.2	3.3	3.3	3.3	3.3	3.3
= OR >3500	3.7	5.2	5.3	5.4	5.4	5.4	5.4	5.4
= OR >2000	13.0	20.7	21.1	21.1	21.1	21.1	21.1	21.1
= OR >1000	23.3	36.0	37.4	37.7	37.7	37.7	37.7	37.7
= OR >600	26.0	40.4	42.6	43.2	43.5	43.7	43.7	43.7
= OR >300	26.6	41.7	44.7	45.6	45.8	46.1	46.1	46.1
= OR >150	26.7	41.9	45.1	46.4	46.7	47.2	47.3	47.3
= OR > 0	28.0	43.2	46.5	47.9	48.2	48.7	48.8	48.8
TOTAL	356	550	592	609	613	620	621	621

TOTAL NUMBER OF OBS: 1272

PCT FREQ NM <5/8: 51.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
2.8	7.9	15.9	14.9	9.9	9.3	11.8	10.1	17.1	.4	1378

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PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1856-1971

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.5	.1	.1	.0	.0	.0	.1	*	.0	.0	.7	
<1/2	NO PCP	.1	*	*	.0	.0	.0	.0	.1	.0	.0	.2	
	TOT %	.6	.1	.1	.0	.0	.0	.1	.1	.0	.0	.9	
	PCP	.2	*	.0	.0	*	*	.0	*	.0	.0	.3	
1/2<1	NO PCP	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	TOT %	.2	.1	.0	.0	*	*	.0	.1	.0	.0	.4	
	PCP	.6	.1	.1	.0	.0	.0	.0	.3	.0	.0	1.1	
1<2	NO PCP	.2	.1	*	.0	.0	.0	.0	.1	.0	.0	.5	
	TOT %	.8	.2	.1	.0	.0	.0	.0	.4	.0	.0	1.5	
	PCP	.7	.8	.2	.0	.1	.0	.0	.1	.0	.0	1.8	
2<5	NO PCP	.6	.6	.1	.1	*	.0	.0	.1	.0	.0	1.5	
	TOT %	1.3	1.5	.3	.1	.1	.0	.0	.1	.0	.0	3.4	
	PCP	2.4	1.0	.1	.1	.0	.1	*	.1	.0	.0	3.7	
5<10	NO PCP	11.2	7.2	1.1	.1	.5	.3	.3	1.5	.0	.0	22.1	
	TOT %	13.6	8.2	1.1	.1	.5	.4	.3	1.6	.0	.0	25.8	
	PCP	1.3	.6	.1	*	.1	.0	.1	.1	.0	.0	2.3	
10+	NO PCP	27.4	27.1	3.1	1.1	.9	1.1	.4	4.0	.0	.5	65.7	
	TOT %	28.7	27.7	3.1	1.2	1.1	1.1	.5	4.1	.0	.5	67.9	
	TOT OBS												1900
	TOT PCT	45.1	37.8	4.7	1.4	1.7	1.5	.8	6.5	.0	.5	100.0	

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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	
<1/2	4-10	*	*	*	.0	.0	.0	.0	.0	.0		.1	
	11-21	*	*	.0	.0	.0	.0	.0	.0	.0		*	
	22+	.4	.1	*	.0	.0	.0	*	.1	.0		.6	
	TOT %	.5	.1	.1	.0	.0	.0	*	.1	.0	.0	.8	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	*	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	11-21	*	*	.0	.0	.0	.0	*	*	.0		.1	
	22+	.1	.0	.0	.0	*	*	.0	.1	.0		.2	
	TOT %	.2	.1	0	.0	*	*	*	.1	.0	.0	.4	
	0-3	.0	*	*	.0	.0	.0	.0	.0	.0	.0	*	
1<2	4-10	.1	.1	.0	.0	*	.0	.0	.1	.0		.3	
	11-21	.2	.1	*	*	.0	.0	.0	.1	.0		.5	
	22+	.6	.2	.1	.0	.0	.0	.0	.3	.0		1.2	
	TOT %	.9	.4	.1	*	*	.0	.0	.5	.0	.0	2.0	
	0-3	.0	.0	.0	*	*	.0	.0	*	.0	.0	.1	
2<5	4-10	.3	.3	.3	*	.0	.0	*	.1	.0		1.0	
	11-21	.6	1.1	.2	*	*	.0	.0	.2	.0		2.2	
	22+	1.3	.6	.1	.0	.0	.0	.0	.1	.0		2.0	
	TOT %	2.2	2.1	.6	.1	.1	.0	*	.4	.0	.0	5.3	
	0-3	*	*	.2	.0	.1	.1	*	*	.0	.0	.4	
5<10	4-10	1.7	1.3	.4	*	1	.1	.1	.7	.0		4.4	
	11-21	5.6	5.4	.7	.1	.1	.1	.1	.7	.0		12.9	
	22+	5.4	1.9	.1	.0	.1	*	.1	.5	.0		8.0	
	TOT %	12.8	8.6	1.3	.1	.4	.3	.3	1.9	.0	.0	25.8	
	0-3	.2	.3	.1	2	:	.1	*	.1	.0	.5	1.6	
10+	4-10	6.5	7.2	1.7	.7	.7	1.0	.2	1.4	.0		19.4	
	11-21	14.1	13.6	1.4	.3	.3	.2	.1	2.2	.0		32.2	
	22+	6.4	5.4	.2	0	*	*	.1	.3	.0		12.3	
	TOT %	27.3	26.5	3.4	1.2	1.1	1.5	.4	4.0	.0	.5	65.6	
	TOT OBS												2301
	TOT PCT	43.8	37.8	5.5	1.4	1.6	1.7	.7	7.0	.0	.5	100.0	

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PERIOD: (PRIMARY) 1923-1971
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	1.1	.8	3.2	5.6	19.4	33.8	2.1	1.1	1.6	.0	48.5	51.5	377
06&09	1.5	1.5	2.1	5.0	14.2	18.6	1.5	.9	2.1	.9	48.2	51.8	338
12&15	1.6	1.3	1.9	6.4	13.1	16.9	2.9	.6	2.5	.6	47.8	52.2	314
18&21	1.7	1.0	2.0	6.6	16.3	10.6	1.7	.7	1.0	.7	42.2	57.8	301
TOT	19	15	31	78	211	200	27	11	24	7	623	707	1330
PCT	1.4	1.1	2.3	5.9	15.9	15.0	2.0	.9	1.8	.5	46.8	53.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	1.4	0	.3	3.3	22.4	72.6	361
06&09	3	9	2.2	2.8	24.7	69.1	324
12&15	7	.0	2.3	4.6	24.8	67.5	302
18&21	0	.3	1.0	4.8	26.6	67.1	289
TOT	8	4	10	49	313	884	1276
PCT	6	3	1.4	3.8	24.5	69.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET NH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	1.1	6.1	12.5	38.0	49.6	361
06&09	1.5	5.9	12.0	38.6	49.4	324
12&15	2.0	5.3	15.6	35.4	49.0	302
18&21	2.8	6.2	14.9	30.8	54.3	289
TOT	23	75	174	458	644	1276
PCT	1.8	5.9	13.6	35.9	50.5	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.1	.1	.1	.1	.0	4	.3
85/89	0	.0	.1	.2	1.1	1.9	.5	.3	56	4.1
80/84	.0	.0	.0	.2	3.0	16.7	21.5	7.8	680	49.2
75/79	0	.0	.0	.0	1.2	11.2	16.5	14.1	594	43.0
70/74	.0	.0	.0	.0	0	.4	.9	2.0	44	3.2
65/69	.0	.0	0	.0	.0	.0	.0	.2	3	.2
TOTAL	0	0	1	7	74	417	545	337	1381	100.0
PCT	0	.0	.1	.5	5.4	30.2	39.5	24.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.1	.2	.0	.0	.0	.0	.0	.0	.0	.0
1.3	2.0	.3	.2	.1	.0	*	.2	.0	.0
17.7	23.5	2.7	.8	.9	1.1	.4	1.8	.0	.3
24.0	12.1	1.3	.2	.9	.5	.5	3.5	.0	.2
2.1	.4	.0	.0	.1	*	.0	.6	.0	.0
.1	.0	.0	.0	.0	.0	.0	.2	.0	.0
45.2	38.2	4.3	1.2	1.9	1.6	.9	6.2	.0	.5

TABLE 15

MEANS.EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	86	84	80	75	72	69	79.4	671
06&09	92	89	86	81	75	72	69	80.7	798
12&15	86	85	83	79	75	72	69	79.3	605
18&21	86	82	82	79	74	73	68	78.4	732
TOT	92	87	84	79	75	72	68	79.5	2806

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	4.2	28.8	40.1	26.9	84	379
06&09	.0	2.3	10.4	36.5	33.9	16.8	80	345
12&15	.0	.0	4.5	29.7	41.4	24.3	84	333
18&21	.0	.0	2.1	25.7	42.4	29.9	85	335
TOT	0	8	74	420	549	341	83	1392

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.0	.1	1	.0	.1
14/16	.0	.0	.0	.0	.0	.1	1	.0	.1
11/13	.0	.0	.0	.0	.2	.1	4	.0	.2
9/10	.0	.0	.0	.3	.2	.2	13	.0	.7
7/8	.0	.0	.1	.3	.3	.1	14	.0	.8
6	.0	.0	.1	.1	.2	.1	7	.0	.4
5	.0	.0	.2	1.6	.3	.0	37	.0	2.1
4	.0	.1	1.1	2.2	.6	.0	69	.0	3.9
3	.0	.1	1.7	1.4	.3	.0	61	.0	3.5
2	.0	.1	3.1	5.0	.7	.0	158	.1	8.9
1	.0	.0	2.8	3.4	.2	.0	112	.0	6.4
0	.1	1.0	9.1	9.2	.3	.1	347	.0	19.7
-1	.0	1.0	6.7	3.2	.3	.0	197	.0	11.2
-2	.1	1.5	9.7	3.9	.0	.0	268	.0	15.2
-3	.0	.7	4.9	1.7	.0	.0	129	.0	7.3
-4	.1	2.3	5.2	1.0	.1	.0	150	.0	8.5
-5	.0	1.6	3.2	.1	.1	.0	86	.1	4.8
-6	.3	.9	1.1	.1	.0	.0	42	.0	2.4
-7/-8	.3	1.0	1.0	.2	.0	.0	44	.0	2.5
-9/-10	.1	.6	.1	.1	.0	.0	13	.0	.7
-11/-13	.1	.1	.0	.0	.0	.0	2	.0	.1
-17/-19	.2	.0	.0	.0	.0	.0	3	.0	.2
TOTAL							1758		
PCT	1.3	10.8	50.1	33.5	3.9	.6	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

AREA 0003 NHA TRANG
12.1N 109.7E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	*
<1	.0	1.1	.0	.0	.0	.0	
1-2	.0	3.6	4.4	.0	.0	.0	
3-4	.0	1.5	9.5	3.1	.0	0	.2
5-6	.0	.3	5.0	2.9	.4	0	.6
7	.0	.2	2.7	2.4	.8	.0	6.0
8-9	.0	.0	.6	1.8	1.0	.0	3.4
10-11	.0	.0	.3	1.6	1.6	.0	3.4
12	.0	.0	.1	1.1	1.:	.0	2.3
13-16	.0	.0	.0	.4	.2	.7	1.3
17-19	.0	.0	.0	.0	.0	.1	.1
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	0	.0	.0	.0	.1	.2	.3
33-40	0	.0	.0	.0	.0	.0	.0
41-48	.0	.(	.0	.0	.0	.0	.0
49-60	0	.(	.0	.0	.0	.0	.0
61-70	.0	.(	.(	.0	.0	.0	.0
71-86	.0	.0	.(	.0	.0	.0	.0
87+	.0	.0	.(	.0	.0	.0	.0
TOT PCT	0	6.7	22.6	19.4	5.:	1.0	48.8

NE

1-3	4-10	11-21	22-33	34-47	48+	PCT
.0	.5	.0	.0	.0	.0	.5
.1	2.8	3.7	.0	.0	.0	6.6
.0	1.6	9.6	3.1	.0	.0	14.3
.0	.3	4.8	2.2	.1	.0	7.4
.0	.1	2.7	1.7	.1	.0	4.6
.0	.0	.5	1.1	.1	.0	1.6
.0	.0	.1	.5	.1	.0	.6
.0	.0	.0	.2	.0	.0	.2
.0	.0	.0	.4	.1	.0	.6
.0	.0	.0	.0	.0	*	*
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.1	5.3	21.4	9.2	.6	*	36.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.3	.0	.0	.0	.0	.3
1-2	.2	*.0	.3	.0	.0	.0	1.5
3-4	.0	.3	.4	.1	.0	.0	.8
5-6	.0	.1	.4	.0	0	.0	.5
7	.0	0	.1	.2	0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	0	.0	.0	.1	.0	0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	0	0	.0	.0	.0	.0
17-19	.0	.0	.0	0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	0	.0	.0	0	.0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	0	.C	.0	.0	.0
49-60	.0	0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	0	.0	.0	.0	.0	.0
87+	.0	.0	0	.0	.0	.0	.0
TOT PCT	.2	1.7	1.1	.4	.0	.0	3.4

SE

1-3	4-10	11-21	22-33	34-47	48+	PCT
.0	.3	.0	.0	.0	.0	.3
*	.3	.3	.0	.0	.0	.6
.0	.1	.0	.0	.0	.0	.1
.0	.0	.0	.0	.0	.0	.0
.0	.0	.1	.0	.0	.0	.1
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.C	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	0	.0	.0	.0	.0
*	.7	.4	.0	.0	.0	1.1

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

AREA 0003 NHA TRANG
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.2	.4	.0	.0	.0	.6
3-4	.0	.2	.1	.0	.0	.0	.3
5-6	.0	.1	.1	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.1	.0	.1	.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.1	.0	.1
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.5	.6	.2	.1	.1	1.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.1	.7	*	.0	.0	.0	.8
3-4	.0	.1	.1	.0	.0	.0	.2
5-6	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	*	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	*	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.9	.1	*	.0	*	1.2

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	0	.0	.0	.0	0	.0
1-2	1	.0	.1	.0	.0	.0	.2
3-4	.0	2	.2	.1	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.2	.3	.1	.0	.0	.7

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.0	.0	.6
1-2	.0	1.2	.3	.0	.0	.0	1.5
3-4	.0	.4	1.7	.4	.0	.0	2.5
5-6	.0	*	.7	.1	.0	.0	.8
7	.0	.0	.1	.2	.1	.0	.5
8-9	.0	.0	*	.2	*	.0	.2
10-11	.0	.0	.0	.1	*	.0	.1
12	.0	.0	.1	.0	.1	.0	.3
13-16	.0	.0	.0	.0	.0	.1	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.2	.2
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	2.1	2.9	1.0	.3	.3	6.8

PERIOD: (OVER-ALL) 1963-1971

AREA 0003 NHA TRANG
12.1N 109.7E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.3	2.6	.0	.0	.0	.0	2.9	
1-2	.6	9.8	9.4	.0	.0	.0	19.8	
3-4	.0	4.4	21.6	6.9	.0	.0	32.9	
5-6	.0	.9	11.0	5.2	.6	.0	17.7	
7	.0	.3	5.7	4.4	1.0	.0	11.4	
8-9	.0	.0	1.1	3.1	1.1	.0	5.3	
10-11	.0	.0	.3	2.2	1.7	.0	4.2	
12	.0	.0	.2	1.3	1.2	.0	2.8	
13-16	.0	.0	.0	1.0	.3	.9	2.2	
17-19	.0	.0	.0	.0	.0	.1	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.2	.4	.7	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	0	.0	.0	.0	.0	.0	.0	
								900
TOT PCT	.9	18.0	49.3	24.2	6.1	1.4	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	8	9.7	20.0	8.5	5.8	1.6	.7	.6	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	544	4
6-7	1	.7	4.0	5.1	4.3	3.7	3.0	1.1	.8	.5	.0	.0	.0	0	.0	.0	.0	.0	.0	259	7
8-9	0	.4	.4	1.5	2.3	2.5	1.2	.7	1.4	1.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	131	9
10-11	0	1	.3	.2	.7	.8	1.6	.5	.8	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	56	10
12-13	0	.0	.1	.0	.1	.2	.5	.7	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	20	12
>13	.0	0	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0	.4	.0	.0	.0	.0	.0	.0	6	25
INDET	1.3	1.7	1.5	1.4	1.4	.5	.3	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	95	4
TOTAL	24	140	291	185	164	104	80	43	48	20	5	1	6	0	0	0	0	0	0	1111	6
PCT	2.2	12.6	26.2	16.7	14.8	9.4	7.2	3.9	4.3	1.8	.5	.1	.5	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1927-1971
(OVER-ALL) 1855-1971

AREA 0003 NHA TRANG
12.1N 109.6E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W0 PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	3.6	1.0	.9	.0	.0	.0	.0	5.5		.1	2	.5		.0	40.7	
NE	1.9	.5	1.3	.0	.0	.0	.0	3.7		.2	.1	.4		.1	38.3	
E	.1	.1	.1	.0	.0	.0	.0	.3		.0	.0	.0		.0	2.5	
SE	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.5	
S	.0	.0	.2	.0	.0	.0	.0	.2		.0	.0	.0		.0	.4	
SW	.0	.0	.1	.0	.0	.0	.0	.1		.0	.0	.0		.0	.5	
W	.0	.0	.1	.0	.0	.0	.0	.1		.0	.0	.0		.0	.5	
NW	.7	.1	.3	.0	.0	.0	.0	.9		.0	.0	*		.0	3.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	.1	.0	.1	.0	.0	.0	.0	.1		.0	.0	.0		.0	.4	
TOT OBS	126	33	57	0	0	0	0		214	4	7	18		1	1747	1991
TOT PCT	6.3	1.7	2.9	.0	.0	.0	.0	10.7		.2	.4	.9		.1	87.7	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W0 PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	6.1	1.8	3.3	.0	.0	.0	.0	11.0		.4	.2	1.2		.0	87.3	
06&09	6.1	1.6	2.4	.0	.0	.0	.0	9.9		.0	1.0	1.4		.0	87.6	
12&15	7.9	1.8	2.2	.0	.0	.0	.0	12.0		.2	.2	.6		.2	86.8	
18&21	5.1	1.4	3.6	.0	.0	.0	.0	10.1		.4	.0	.4		.0	89.1	
TOT	126	33	58	0	0	0	0		215	5	7	18		1	1754	2000
PCT	6.3	1.7	2.9	.0	.0	.0	.0	10.8		.3	.4	.9		.1	87.7	

DECEMBER

PERIOD: (PRIMARY) 1927-1971
(OVER-ALL) 1855-1971

TABLE 3

AREA 0003 NWA TRANO
12.1N 109.6E

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.4	8.2	23.9	10.5	1.9	.1		45.1	17.5	44.9	46.8	44.6	47.6	44.2	49.1	43.3	45.9
NE	.3	7.8	24.2	9.0	1.2	*		42.6	17.1	38.7	39.8	45.7	42.0	46.2	39.9	43.0	39.4
E	.3	1.8	1.2	.3	*	.0		3.6	11.0	3.8	3.2	2.8	3.1	3.0	2.1	5.2	4.5
SE	.1	.4	.1	*	.0	.0		.6	7.6	.3	1.6	.7	.7	.6	.0	.7	.7
S	.1	.2	.2	.0	*	.0		.5	10.5	1.0	.7	.5	.4	.7	.0	.3	.0
SW	.1	.1	.1	.0	*	.0		.4	9.1	.9	.7	.1	.2	.2	.7	.5	.0
W	.0	.2	.2	*	.0	.0		.5	12.1	.7	.7	.3	.4	.4	.7	.2	.9
NW	.1	1.5	2.6	1.4	.3	*		6.0	16.5	8.5	6.4	5.0	5.7	4.0	6.1	5.6	7.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8							.8	.0	1.2	.0	.4	.0	.6	1.4	1.2	1.4
TOT OBS	64	575	1494	606	98	3	2840		16.7	495	140	554	260	476	143	486	286
TOT PCT	2.3	20.2	52.6	21.3	3.5	.1		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	1.9	20.2	17.7	5.0	.3		45.1	17.5	45.4	45.5	45.4	44.2
NE	2.4	18.0	17.8	4.2	.1		42.6	17.1	33.0	44.5	44.7	41.7
E	1.0	1.8	.7	.1	*		3.6	11.0	3.7	2.9	2.8	5.0
SE	.3	.3	*	.0	.0		.6	7.6	.6	.7	.4	.7
S	.1	.3	.0	*	.0		.5	10.5	.9	.5	.6	.2
SW	.2	.1	.1	*	.0		.4	9.1	.8	.1	.3	.3
W	.1	.2	.1	*	.0		.5	12.1	.7	.3	.4	.5
NW	.6	2.6	2.0	.6	*		6.0	16.5	8.1	5.2	4.5	6.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.8						.8	.0	.9	.2	.8	1.3
TOT OBS	216	1240	1088	284	12	2840		16.7	635	814	619	772
TOT PCT	7.6	43.7	38.3	10.0	.4		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1927-1971
(OVER-ALL) 1855-1971

AREA 0003 NWA TRANC
12.1N 109.6E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

	WIND SPEED (KNOTS)									
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.9	1.6	22.7	50.9	20.5	3.3	.2	16.5	100.0	635
06&09	.2	.6	18.6	54.1	22.1	4.3	.1	17.4	100.0	814
12&15	.8	1.9	18.4	54.8	21.2	2.9	.0	16.6	100.0	619
18&21	1.3	1.8	21.5	50.8	21.4	3.1	.1	16.3	100.0	772
TOT	23	41	575	1494	606	98	3	16.7		2840
PCT	.8	1.4	20.2	52.6	21.3	3.5	.1		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.9	7.5	19.4	17.0		5.9
NE	5.1	9.3	17.4	10.0		5.4
E	.8	1.0	.5	.5		4.1
SE	*	.1	.4	*		5.7
S	.1	.0	.1	.4		6.7
SW	.0	*	.3	.3		7.0
W	.1	.1	.2	.2		6.0
NW	.2	.6	1.9	1.9		6.4
VAR	.0	.0	.0	.0		.0
CALM	.0	.2	.1	.4		6.2
TOT OBS	139	261	560	426	1386	5.7
TOT PCT	10.0	18.8	40.4	30.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM) 4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	.3	.0	1.1	3.6	9.3	12.2	1.6	.1	.2	.4	19.0	
NE	.3	.0	.8	2.0	9.2	7.1	.4	.2	.7	.3	20.8	
E	.0	.0	.1	.0	.5	.2	.0	.0	.0	.0	2.1	
SE	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.1	
S	0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.1	
SW	.0	.0	.0	.1	.4	.1	.0	.0	.0	.0	*	
W	.0	.0	.0	.0	.1	.1	.0	.0	.1	.0	.4	
NW	.0	.0	.1	.5	.5	1.7	.3	.1	.2	*	1.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.4	
TOT OBS	8	0	29	88	280	305	32	6	16	10	612	1386
TOT PCT	.6	.0	2.1	6.3	20.2	22.0	2.3	.4	1.2	.7	44.2	100.0

PERIOD: (PRIMARY) 1927-1971
(OVER-ALL) 1855-1971

AREA 0003 NHA TRANG
12.1N 109.6E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9
= OR >5000	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
= OR >3500	3.4	4.5	4.6	4.6	4.6	4.6	4.6	4.6
= OR >2000	15.7	26.1	26.6	26.6	26.6	26.6	26.6	26.6
= OR >1000	26.8	44.7	46.2	46.6	46.6	46.6	46.6	46.7
= OR >600	29.4	49.4	52.4	52.9	52.9	53.0	53.0	53.0
= OR >300	29.8	50.8	54.3	54.9	55.0	55.1	55.1	55.1
= OR >150	29.8	50.8	54.3	54.9	55.0	55.1	55.1	55.1
= OR > 0	30.3	51.3	54.9	55.5	55.6	55.6	55.6	55.7
TOTAL	420	711	761	769	770	771	771	772

TOTAL NUMBER OF OBS: 1386 PCT FREQ NH <5/8: 44.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
2.4	4.7	13.7	15.4	8.4	10.1	16.7	10.1	18.0	.5	1480

DECEMBER

PERIOD: (PRIMARY) 1927-1971
(OVER-ALL) 1855-1971

AREA 0003 MHA TRAMG
12.1N 109.6E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	PCP	.1	.1	*	.0	.0	.0	.0	*	.0	.0	.3	
1/2<1	NO PCP	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.2	.2	*	.0	.0	.0	.0	*	.0	.0	.5	
	PCP	.5	.3	.0	.0	.0	.0	.0	.2	.0	.0	1.0	
1<2	NO PCP	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	
	TOT %	.7	.5	.0	.0	.0	.0	.0	.2	.0	.0	1.4	
	PCP	1.5	.5	.1	.0	.0	.0	.0	.3	.0	.0	2.4	
2<5	NO PCP	.7	.4	.0	.0	.0	.1	.0	.1	.0	.0	1.3	
	TOT %	2.3	.9	.1	.0	.0	.1	.0	.3	.0	.0	3.6	
	PCP	2.3	1.5	.1	.0	.0	.1	.1	.3	.0	.1	4.5	
5<10	NO PCP	12.7	9.7	.5	.2	.1	.1	.1	1.3	.0	.2	24.7	
	TOT %	15.0	11.2	.6	.2	.1	.2	.1	1.6	.0	.3	29.2	
	PCP	1.0	1.2	*	.0	.2	.0	.0	.2	.0	.0	2.6	
10+	NO PCP	27.7	28.7	2.0	.4	.3	.3	.4	2.6	.0	.3	62.7	
	TOT %	28.7	29.9	2.1	.4	.5	.3	.4	2.7	.0	.3	65.2	
	TOT OBS												1991
	TOT PCT	47.0	42.7	2.8	.5	.6	.5	.5	4.8	.0	.5	100.0	

DECEMBER

PERIOD: (PRIMARY) 1927-1971
(OVER-ALL) 1855-1971

AREA 0003 NHA TRANG
12.1N 109.6E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	0	.0	.0	.0		.0	
	11-21	*	.0	.0	.0	.0	.0	.0	.0	.0		*	
	22+	*	.0	.0	.0	.0	.0	.0	*	.0		.1	
	TOT %	.1	.0	.0	.0	.0	.0	.0	*	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.1	.1	*	.0	.0	.0	.0	.0	.0		.3	
	22+	.1	.1	.0	.0	.0	.0	.0	*	0		.2	
	TOT %	.2	.2	*	.0	.0	.0	.0	*	.0	.0	.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.1	.1	.0	.0	.0	.0	.0	.0	.0		.2	
	11-21	.4	.1	.0	.0	.0	.0	.0	*	.0		.6	
	22+	3	.2	.0	.0	.0	.0	.0	.1	.0		.5	
	TOT %	.7	.5	.0	.0	.0	.0	.0	.1	.0	.0	1.3	
	0-3	*	*	*	.0	.0	*	.0	*	.0	.0	.2	
2<5	4-10	.2	.2	.1	.0	.0	.0	.0	.1	.0		.6	
	11-21	1 5	1.1	.2	.0	.0	.0	.0	.1	.0		2.9	
	22+	1.1	4	*	.0	.0	.0	.0	.2	.0		1.8	
	TOT %	2.8	1.8	.3	.0	.0	*	.0	.5	.0	.0	5.5	
	0-3	.1	*	.0	.0	.0	*	.0	.0	.0	.2	.4	
5<10	4-10	2.9	2.1	.3	.1	*	*	*	.6	.0		6.1	
	11-21	7 5	5.5	.3	.1	.0	*	.1	.6	.0		14.0	
	22+	4.0	3.5	.1	.0	*	*	.0	.3	.0		7.9	
	TOT %	14.5	11.0	.7	.2	.1	.1	.1	1.4	.0	.2	28.4	
	0-3	.3	.2	.3	*	.1	.1	.0	*	.0	.3	1.3	
10+	4-10	5.0	5.0	1.4	.3	.1	.1	.2	.6	.0		12.7	
	11-21	15.4	17.5	.7	1	.2	.1	.1	1.5	.0		35.6	
	22+	7.0	6.5	.2	.0	.0	.0	*	.8	.0		14.6	
	TOT %	27.7	29.2	2.6	.3	.5	3	.3	3.0	.0	.3	64.2	
	TOT OBS												2371
	TOT PCT	46.1	42.8	3.6	5	.5	.4	.5	5.1	.0	.5	100.0	

DECEMBER

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.3	.0	2.1	8.1	19.9	21.5	2.4	.3	1.3	.0	55.9	44.1	381
06&09	.8	.0	1.6	5.7	20.8	21.6	2.7	.5	1.3	.5	55.5	44.5	371
12&15	.9	.0	1.7	5.1	19.4	21.1	1.4	.9	.9	.9	52.3	47.7	350
18&21	.3	.0	2.7	5.7	17.9	20.9	2.4	.0	.9	1.5	52.2	47.8	335
TOT	8	0	29	89	281	306	32	6	16	10	777	660	1437
PCT	.6	.0	2.0	6.2	19.6	21.3	2.2	.4	1.1	.7	54.1	45.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	3	5	.8	2.4	29.4	66.6	377
06&09	.0	.0	1.4	4.5	30.2	64.0	358
12&15	.3	.0	.6	4.5	31.1	63.4	331
18&21	.0	.0	.3	4.3	27.7	67.7	328
TOT	2	2	11	54	413	912	1394
PCT	.1	.1	.8	3.9	29.6	65.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.NH >4/8) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.8	3.2	12.5	44.8	42.7	377
06&09	1.1	2.8	10.6	46.6	42.7	358
12&15	1.5	3.3	11.8	43.8	44.4	331
18&21	1.5	4.3	11.9	42.1	46.0	328
TOT	17	47	163	619	613	1394
PCT	1.2	3.4	11.7	44.4	43.9	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.1	.1	.0	.0	3	.2
85/89	.0	.0	.0	.0	.3	.6	.2	.1	18	1.2
80/84	.0	.0	.0	.1	1.3	7.4	11.8	3.0	342	23.5
75/79	.0	.0	.0	.2	1.7	18.4	28.2	16.7	947	65.1
70/74	.0	.0	.0	.0	.4	1.4	3.7	4.3	143	9.8
65/69	.0	.0	.0	.0	.0	.0	.1	.0	1	.1
TOTAL	0	0	0	4	55	406	639	350	1454	100.0
PCT	.0	.0	.0	.3	3.8	27.9	43.9	24.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
	.2	.9	.1	.0	.0	0	.0	.0	.0	.0
	7.8	13.7	1.3	.2	.2	.1	.1	.2	.0	.0
	32.4	26.1	1.2	.2	.4	.6	.3	3.3	.0	.6
	6.9	1.8	.1	.0	.0	.0	.2	.7	.0	.1
	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
	47.3	42.7	2.7	.5	.6	.7	.5	4.3	.0	.7

TABLE 15

MEANS.EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	84	82	78	73	70	68	77.6	634
06&09	90	87	84	79	73	70	68	78.9	787
12&15	88	82	81	77	73	71	69	77.3	614
18&21	84	81	80	77	73	71	70	76.7	765
TOT	90	85	82	78	73	70	68	77.7	2800

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.3	3.3	25.8	44.0	26.6	84	366
06&09	.0	.5	8.2	37.3	38.4	15.5	81	367
12&15	.0	.0	2.5	26.1	45.9	25.5	84	357
18&21	.0	.3	1.4	22.6	47.0	28.8	85	368
TOT	0	4	56	408	640	352	83	1460

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.0	.1	.0	.0	1	.0	.1
9/10	.0	.0	.0	.1	.2	.1	.1	6	.0	.3
7/8	.0	.0	.0	.1	.5	.4	.1	20	.0	1.1
6	.0	.0	0	.1	.4	.1	.0	10	.0	.5
5	.0	.0	.1	.5	1.3	.2	.0	40	.0	2.2
4	.0	.1	.2	2.1	2.0	.1	.0	81	.0	4.4
3	.0	.0	.3	2.8	.8	.0	.0	73	.0	4.0
2	.0	.0	1.4	6.7	3.6	.0	.0	213	.1	11.6
1	.0	.1	1.5	5.4	1.3	.0	.0	152	.0	8.3
0	.0	.1	4.1	12.1	3.1	.1	.0	356	.1	19.3
-1	.0	.0	2.2	6.6	.8	.0	.0	174	.1	9.4
-2	.0	.3	5.4	8.5	.7	.0	.0	272	.1	14.8
-3	.0	.1	1.7	3.9	.1	.0	.0	106	.0	5.8
-4	.0	1.0	4.2	2.6	.1	.0	.0	142	.1	7.6
-5	.0	.3	3.2	.9	.0	.0	.0	81	.0	4.4
-6	.0	.3	1.1	.3	.0	.0	.0	30	.0	1.6
-7/-8	.1	.7	1.4	.5	.0	.0	.0	48	.0	2.6
-9/-10	.0	2	.5	.1	.0	.0	.0	15	.0	.8
-11/-13	.0	.1	.2	.1	.0	.0	.0	6	.0	.3
-14/-16	.0	1	.2	.0	.0	.0	.0	5	.0	.3
TOTAL								1831		
PCT	.1	3.2	27.6	53.2	14.9	.9	.2	100.0	.4	99.6

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TABLE 18

AREA 0003 NHA TRANG
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	5.5	.5	.0	0	0	6.6
1-2	.0	3.6	9.4	.0	.0	.0	13.0
3-4	.0	1.3	8.4	1.6	.0	.0	11.2
5-6	.0	.0	2.2	2.7	1.1	.0	6.0
7	.0	.0	1.6	2.2	.3	.0	4.1
8-9	.0	.0	.8	1.7	.8	.0	3.3
10-11	.0	.0	.4	.2	.1	.0	.7
12	.0	.0	.2	.6	.2	.0	1.0
13-16	.0	.0	.2	.1	.0	.0	.3
17-19	.0	.0	.0	0	.0	.0	.0
20-22	0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	0	.0	.0	.0	.0	.0
33-40	.0	0	.0	0	.0	.0	.0
41-48	.0	.0	0	.0	.0	.0	0
49-60	0	0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-85	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	10.3	23.7	9.1	2.4	.0	46.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	2.0	.1	.0	.0	.0	2.5
1-2	.0	1.2	5.3	.0	.0	.0	6.6
3-4	.0	2.5	9.0	2.7	.0	.0	14.2
5-6	.0	.5	5.9	2.5	.2	.0	9.2
7	.0	.0	2.4	2.3	.1	.0	4.9
8-9	.0	.0	1.1	2.1	.2	.0	3.5
10-11	.0	.1	.5	.8	.4	.0	1.9
12	.0	.0	.4	.7	.3	.0	1.3
13-16	.0	.0	.2	.3	.1	.0	.6
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.1	.0	.0	.1
23-25	.0	.0	.0	0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-85	.0	.0	.0	.0	0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	6.4	24.8	11.7	1.4	.0	44.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.5	.1	.0	.0	.0	.6
1-2	.0	.3	.7	.0	.0	.0	1.0
3-4	0	.3	.2	.1	.0	.0	.6
5-6	0	.0	.1	.2	.0	.0	.3
7	.0	0	0	.2	.0	.0	.2
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	0	.0	0	.0	.0	.0
33-40	0	0	0	0	.0	.0	.0
41-48	0	.0	.0	.0	.0	.0	.0
49-50	0	.0	.0	.0	.0	.0	.0
61-70	.0	0	.0	0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	.0	0	0	.0	0	.0	.0
TOT PCT	0	1.1	1.2	5	.0	.0	2.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.1	.1	.0	.0	0	.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-50	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.3	.1	.0	.0	.0	.4

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TABLE 18

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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.1	.0	.0	.0	.0	.0	.1
3-4	.0	.0	.1	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	0	.0	.0
23-25	.0	.0	0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.1	.1	.0	.0	.0	.3

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.1	.0	.0	.0	.0	.4
1-2	.0	.1	*	.0	.0	.0	.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.2	*	.0	.0	.0	.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	.0	.0	.2
1-2	.0	1	.2	.0	.0	.0	.3
3-4	.0	0	.0	.1	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	0	.0	.0	.0
87+	0	.0	0	.0	0	0	.0
TOT PCT	0	.3	.2	.1	.0	.0	.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.0	.1	.0	.0	.0	1.4
1-2	.0	.1	.4	.0	.0	.0	.5
3-4	.0	.2	.7	.4	.0	.0	1.3
5-6	.0	.0	.2	.1	.0	.0	.3
7	.0	.0	.0	.1	.0	.0	.1
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.4	1.5	.7	.0	.0	3.8

DECEMBER

PERIOD: (OVER-ALL) 1963-1971

AREA 0003 NHA TRANG
12.1N 109.6E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.4	9.6	.8	.0	.0	.0	12.7	
1-2	.1	5.6	16.1	.0	.0	.0	21.8	
3-4	.0	4.2	18.3	4.9	.0	.0	27.5	
5-6	.0	.7	8.4	5.4	1.3	.0	15.8	
7	.0	.0	4.0	4.9	.4	.0	9.4	
8-9	.0	.0	2.1	3.9	1.0	.0	7.0	
10-11	.0	.1	.9	1.1	.5	.0	2.6	
12	.0	.0	.5	1.3	.4	.0	2.3	
13-16	.0	.0	.3	.4	.1	.0	.9	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.1	.0	.0	.1	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								918
TOT PCT	2.5	20.2	51.4	22.1	3.8	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	6.1	12.1	18.8	6.4	3.2	2.0	.7	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	563	3
6-7	0	1.2	3.3	5.1	3.9	3.1	2.1	1.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	234	7
8-9	.0	.0	.8	1.9	3.6	2.9	1.1	.4	.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	130	8
10-11	0	.0	.1	.3	.8	1.7	.1	.4	.7	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	50	10
12-13	.0	.0	.2	.0	.1	.2	.4	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	13	10
>13	0	.0	.0	.0	.0	.1	.2	.3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	7	12
INDET	3.3	.9	1.3	1.5	1.6	1.1	.9	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	121	4
TOTAL	105	158	274	170	148	123	61	38	29	4	7	1	0	0	0	0	0	0	0	1118	5
PCT	9.4	14.1	24.5	15.2	13.2	11.0	5.5	3.4	2.6	.4	.6	.1	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1955-1971

AREA 0003 NHA TRANG
12.1N 109.7E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

		PRECIPITATION TYPE								OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT PCPN OB	FREQ AT TIME	TOTAL PCPN OBS	THDR LTNG	FOG W0 PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	1.1	.5	.4	.0	.0	.0	*		2.0		.1	.1	.4		*	19.2	
NE	.6	.4	.3	.0	.0	.0	*		1.2		.1	*	.2		*	19.1	
E	.1	.1	*	.0	.0	.0	.0		.2		.1	.0	.1		.0	5.6	
SE	.1	.1	*	.0	.0	.0	.0		1		.1	*	.2		.0	6.0	
S	.1	.1	.1	.0	.0	.0	.0		.3		.2	*	.2		*	13.5	
SW	.4	.2	.1	.0	.0	.0	.0		.6		.4	*	.1		*	16.7	
W	.3	.1	.1	.0	.0	.0	*		.5		.1	*	.1		*	5.3	
NW	.3	.1	.1	.0	.0	.0	.0		.5		.1	*	.1		*	4.6	
VAR	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0		.0	*	
CALM	*	*	*	.0	.0	.0	.0		.1		*	*	.1		*	1.7	
TOT OBS	785	383	288	0	0	0	3			1448	325	63	420		10	24970	27219
TOT PCT	3.0	1.4	1.1	.0	.0	.0	*		5.5		1.2	.2	1.4		*	91.7	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

		PRECIPITATION TYPE								OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT PCPN OB	FREQ AT TIME	TOTAL PCPN OBS	THDR LTNG	FOG W0 PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	3.1	1.3	1.0	.0	.0	.0	*		5.5		.1	.3	1.4		*	92.7	
06&09	2.6	1.4	1.1	.0	.0	.0	.0		5.1		.1	.3	1.8		*	92.7	
12&15	3.2	1.5	1.2	.0	.0	.0	*		5.9		2.3	.1	1.4		*	90.4	
18&21	3.1	1.5	1.1	.0	.0	.0	.0		5.7		2.5	.2	1.0		.0	90.6	
TOT	792	389	289	0	0	0	3			1462	335	66	421		10	25131	27408
PCT	3.0	1.4	1.1	.0	.0	.0	*		5.5		1.2	.2	1.4		*	91.6	

ANNUAL

PERIOD (PRIMARY) 1925-1971
(OVER-ALL) 1855-1971

AREA 0003 NHA TRANG
12.1N 109.7E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.7	6.1	9.6	3.7	.6	.1		20.9	12.1	21.7	23.1	21.9	20.3	20.3	21.2	19.3	20.0
NE	.8	7.0	9.5	3.0	.3	*		20.6	11.0	19.7	18.8	21.6	21.8	22.6	17.8	21.2	17.0
E	.8	3.9	1.2	.1	*	.0		6.0	8.1	5.0	4.4	5.7	7.2	7.1	6.2	6.5	5.5
SE	.9	4.1	1.2	.1	*	.0		6.3	7.8	3.9	6.3	6.9	9.9	7.6	6.5	5.7	4.4
S	1.1	7.7	5.2	.4	*	*		14.5	9.9	11.8	15.0	14.5	17.0	16.5	15.2	13.6	14.0
SW	.8	6.6	8.6	2.1	.1	*		18.2	10.9	19.9	19.4	16.5	15.2	16.9	18.2	19.4	20.5
W	.5	2.6	2.1	.4	.1	*		5.6	9.9	8.1	4.9	4.9	3.5	3.8	6.0	6.2	7.1
NW	.5	2.6	1.8	.4	.1	*		5.3	10.6	7.1	5.7	5.0	3.7	3.5	6.8	4.7	7.5
VAR	*	*	.0	.0	.0	.0		*	.7	.0	.0	*	.0	*	.0	*	.0
CALM	2.6							2.6	.0	2.6	2.4	3.0	1.4	1.6	2.1	3.3	3.9
TOT OBS	3373	15621	14784	3755	458	41	38032		12.2	6563	2098	7283	3553	6343	2053	6314	3825
TOT PCT	8.7	40.6	38.9	10.2	1.3	.1		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)							HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.7	9.8	6.6	1.6	.2		20.9	12.1	22.1	21.4	20.5	19.6
NE	3.3	9.9	6.2	1.1	.1		20.6	11.0	19.5	21.7	21.4	19.7
E	2.8	2.8	.4	*	*		6.0	8.1	4.9	6.2	6.9	6.2
SE	3.0	3.0	.3	*	.0		6.3	7.8	4.5	7.9	7.3	5.2
S	4.1	8.5	1.8	.1	*		14.5	9.9	12.6	15.3	16.2	13.8
SW	3.1	9.5	5.0	.5	*		18.2	10.9	19.8	16.1	17.3	19.8
W	1.6	2.8	1.1	.1	*		5.6	9.9	7.3	4.4	4.4	6.5
NW	1.5	2.7	.9	.2	*		5.3	10.6	6.8	4.6	4.3	5.8
VAR	*	.0	.0	.0	.0		*	.7	.0	*	*	*
CALM	2.6						2.6	.0	2.5	2.5	1.7	3.6
TOT OBS	9610	18705	8266	1330	121	38032		12.2	8661	10836	8396	10139
TOT PCT	24.8	49.1	22.2	3.6	.3		100.0		100.0	100.0	100.0	100.0

ANNUAL

PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1855-1971

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.5	6.9	41.4	38.2	9.8	1.2	.1	12.0	100.0	8661
06&09	2.5	6.1	39.6	39.2	11.1	1.4	.1	12.4	100.0	10834
12&15	1.7	5.1	40.4	41.4	10.1	1.3	.1	12.5	100.0	8394
18&21	3.6	6.1	41.0	38.5	9.6	1.1	.1	11.9	100.0	10138
TOT	1016	2354	15619	14784	3755	458	41	12.2		38027
PCT	2.6	6.0	40.6	39.2	10.2	1.3	.1		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.3	3.9	8.4	6.3		5.4
NE	4.5	5.4	7.7	3.5		4.7
E	1.8	1.7	1.9	.6		4.4
SE	2.3	1.8	2.0	.5		4.1
S	4.6	3.3	4.0	1.3		4.2
SW	3.7	3.8	6.9	3.2		4.7
W	1.1	1.1	2.4	1.6		4.9
NW	.7	.7	2.0	1.6		5.5
VAR	*	*	.0	.0		.5
CALM	.7	.5	.6	.4		4.3
TOT OBS	4238	4087	6463	3408	18202	4.8
TOT PCT	22.7	22.3	35.9	19.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH) AND OCCURRENCE OF MH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MH <5/8 ANY HGT	TOTAL OBS
N	.2	.1	.4	1.2	3.7	4.1	.7	.2	.4	.1	10.9	
NE	.2	*	.2	.9	2.9	2.5	.5	.2	.3	.1	13.0	
E	*	*	*	.1	.6	.5	.1	*	.1	*	4.6	
SE	*	*	*	.1	.3	.5	.1	.1	.1	*	5.4	
S	*	.0	.1	.2	.8	1.0	.3	.2	.1	.1	10.4	
SW	.1	*	.2	.6	1.7	1.8	.4	.3	.2	.2	12.2	
W	*	*	*	.2	.8	.7	.1	.1	.1	.1	4.0	
NW	*	*	.1	.2	.9	.9	.2	.1	.2	*	2.5	
VAR	0	0	.0	.0	.0	.0	.0	.0	.0	.0	*	
CALM	.0	.0	*	*	.2	.2	*	*	*	.0	1.7	
TOT OBS	96	32	183	518	2149	2190	406	213	258	106	11951	18202
TOT PCT	.6	.2	1.1	3.5	12.0	12.2	2.3	1.2	1.4	.6	65.0	100.0

PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1855-1971

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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = 6R >10	= 6R >5	= 6R >2	= 6R >1	= 6R >1/2	= 6R >1/4	= 6R >50YD	= 6R >0
= 6R >6500	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0
= 6R >5000	2.7	3.1	3.1	3.2	3.2	3.2	3.2	3.2
= 6R >3500	4.4	5.3	5.4	5.4	5.4	5.4	5.4	5.4
= 6R >2000	12 7	17.3	17.6	17.6	17.6	17.6	17.6	17.6
= 6R >1000	20.5	28.5	29.4	29.5	29.5	29.5	29.5	29.5
= 6R >600	22.4	31.5	32.7	32.9	33.0	33.0	33.0	33.0
= 6R >300	22.8	32.3	33.7	33.9	34.0	34.1	34.1	34.1
= 6R >150	22.8	32.4	33.8	34.1	34.2	34.3	34.3	34.3
= 6R > 0	23.3	32.9	34.3	34.6	34.7	34.8	34.8	34.8
TOTAL	4173	5904	6165	6220	6236	6250	6252	6254

TOTAL NUMBER OF OBS: 18294

PCT FREQ NH <5/8: 65.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.1	12.3	22.5	14.6	10.0	7.7	10.8	5.6	10.2	.3	19360

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PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1855-1971

TABLE 8

AREA 0003 NHA TRANG
12.1N 109.7E

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.1	*	*	*	*	*	*	*	.0	*	.1	
	NO PCP	*	*	*	.0	*	*	*	*	.0	.0	*	
	TOT %	.1	*	*	*	*	*	*	*	.0	*	.2	
1/2<1	PCP	*	*	*	.0	*	*	*	*	.0	.0	.1	
	NO PCP	*	*	.0	.0	*	*	*	*	.0	.0	*	
	TOT %	.1	*	*	.0	*	*	*	*	.0	.0	.2	
1<2	PCP	.2	.1	*	*	*	*	*	.1	.0	.0	.4	
	NO PCP	.1	*	*	*	*	*	.0	*	.0	.0	.1	
	TOT %	.2	.1	*	*	*	*	*	.1	.0	.0	.5	
2<5	PCP	.4	.2	.1	*	*	.1	*	.1	.0	*	.9	
	NO PCP	.5	.3	.1	*	.1	.1	.1	.1	.0	*	1.3	
	TOT %	.9	.5	.1	.1	.2	.2	.1	.2	.0	*	2.2	
5<10	PCP	.8	.5	.1	.1	.1	.3	.3	.2	.0	*	2.3	
	NO PCP	4.8	3.5	.7	.8	1.7	2.4	.9	1.2	.0	.4	16.1	
	TOT %	5.6	4.0	.7	.8	1.8	2.6	1.1	1.4	.0	.4	18.5	
10+	PCP	.5	.4	.1	*	.1	.3	.1	.1	.0	*	1.6	
	NO PCP	14.4	15.7	5.0	5.4	12.1	14.7	4.5	3.5	*	1.5	76.8	
	TOT %	14.9	16.1	5.1	5.5	12.2	14.9	4.6	3.6	*	1.5	78.5	
	TOT OBS												27214
	TOT PCT	21.8	20.7	6.0	6.4	14.2	17.8	5.9	5.3	*	2.0	100.0	

PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1855-1971

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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	*	.0	.0	*	.0	.0	.0	*	.0	*	*	
<1/2	4-10	*	*	*	*	*	*	*	*	.0		.1	
	11-21	*	*	*	*	*	*	*	*	.0		.1	
	22+	*	*	*	.0	.0	*	*	*	.0		.1	
	TOT %	.1	*	*	*	*	*	*	*	.0	*	.2	
	0-3	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
1/2 <1	4-10	*	*	*	.0	*	*	*	*	.0		.1	
	11-21	*	*	*	.0	*	*	*	*	.0		.1	
	22+	*	*	.0	.0	*	*	*	*	.0		.1	
	TOT %	.1	.1	*	.0	*	*	*	*	.0	.0	.2	
	0-3	*	*	*	.0	*	*	*	*	.0	.0	.1	
1 <2	4-10	.1	.1	*	*	*	*	*	*	.0		.3	
	11-21	.1	*	*	*	*	*	*	*	.0		.3	
	22+	.1	*	*	*	*	*	*	*	.0		.2	
	TOT %	.4	.2	*	*	.1	.1	*	.1	.0	.0	.8	
	0-3	*	*	*	*	*	*	*	*	.0	*	.2	
2 <5	4-10	.3	.2	.1	*	.1	.1	*	.1	.0		.9	
	11-21	.5	.4	.1	*	.1	.1	.1	.1	.0		1.3	
	22+	.4	.1	*	.0	*	*	*	.1	.0		.7	
	TOT %	1.2	.7	.2	.1	.2	.3	.1	.3	.0	*	3.0	
	0-3	.2	.1	.1	.1	.1	.1	.1	.1	.0	.4	1.3	
5 <10	4-10	1.4	1.1	.4	.5	.8	.7	.4	.7	.0		6.0	
	11-21	2.4	1.8	.2	.2	.6	1.2	.4	.4	.0		7.2	
	22+	1.5	.9	*	*	.1	.4	.1	.1	.0		3.2	
	TOT %	5.4	3.9	.7	.7	1.6	2.5	1.0	1.3	.0	.4	17.7	
	0-3	.5	.6	.7	.7	.7	.6	.4	.3	*	1.9	6.4	
10+	4-10	4.3	5.4	3.4	3.7	6.7	5.6	2.2	1.7	*		33.0	
	11-21	7.2	7.4	.9	1.1	4.6	7.4	1.7	1.3	.0		31.5	
	22+	2.4	2.3	.1	*	.3	1.6	.3	.2	.0		7.2	
	TOT %	14.4	15.6	5.1	5.4	12.4	15.1	4.6	3.5	*	1.9	78.1	
	TOT OBS												31751
	TOT PCT	21.5	20.5	6.0	6.3	14.3	18.0	5.8	5.3	*	2.3	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.5	.2	1.3	3.5	11.9	12.1	2.3	1.3	1.8	.6	35.5	64.5	5086
06&09	.6	.2	.8	3.1	11.7	11.1	2.5	1.0	1.3	.5	32.7	67.3	4763
12&15	.6	.2	1.0	2.9	11.2	12.3	1.8	1.3	1.4	.8	33.6	66.4	4577
18&21	.5	.2	.9	4.0	11.1	11.3	2.1	.9	.9	.4	32.2	67.8	4619
TOT	100	32	183	623	2157	2197	406	213	258	106	6275	12770	19045
PCT	.5	.2	1.0	3.4	11.5	11.7	2.2	1.1	1.3	.6	33.6	66.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.2	.1	.2	1.2	16.1	82.1	4899
06&09	*	.2	.6	1.5	15.1	82.6	4609
12&15	.2	.1	.3	2.3	19.8	77.4	4378
18&21	.1	.1	.3	2.3	19.8	77.5	4444
TOT	22	18	59	324	3224	14683	18330
PCT	.1	.1	.3	1.8	17.6	80.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.6	2.3	6.7	30.4	63.0	4899
06&09	.8	1.9	6.0	27.9	66.1	4609
12&15	.9	2.2	7.0	28.8	64.3	4378
18&21	.9	2.1	7.7	26.5	65.8	4444
TOT	138	374	1210	5141	11979	18330
PCT	.8	2.1	6.8	28.5	64.7	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	*	.0	.1	*	.0	.0	20	.1
90/94	.0	.0	*	.2	.8	.6	.2	*	355	1.9
85/89	.0	.0	*	.2	1.7	6.2	3.6	.6	2340	12.4
80/84	.0	.0	.0	.1	1.8	13.5	26.8	8.2	9434	50.4
75/79	.0	.0	.0	.1	.7	6.6	12.7	9.8	5503	29.8
70/74	.0	.0	.0	.0	.2	.8	2.0	2.1	955	5.2
65/69	.0	.0	.0	.0	.0	*	.1	.1	38	.2
TOTAL	0	0	7	93	995	5190	8484	3876	19645	100.0
PCT	.0	.0	*	.5	5.3	27.7	45.6	20.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	*	*	*	*	*	*	.0	.0	*
.2	.2	.2	.3	.4	.3	.2	.1	.0	*
.8	1.3	.9	1.7	3.0	3.1	.9	.4	*	.3
6.5	9.3	3.3	3.7	8.2	12.1	3.9	2.1	*	1.2
11.0	9.3	1.5	.8	1.5	2.2	1.2	1.8	*	.7
3.2	1.2	.1	*	.1	*	.1	.5	.0	.1
.1	*	.0	.0	.0	.0	*	.1	.0	.0
21.8	21.4	6.0	6.5	13.3	17.8	6.3	4.8	*	2.3

TABLE 15

MEANS-EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	96	88	85	81	76	74	67	80.6	8542
06&09	97	91	88	82	77	74	66	82.2	10512
12&15	95	87	84	80	76	74	68	80.4	8299
18&21	92	84	83	80	75	73	66	79.6	10085
TOT	97	89	86	81	76	74	66	80.7	37438

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.3	4.5	25.4	47.0	22.7	83	4847
06&09	.0	1.7	12.3	40.7	35.2	10.2	79	4603
12&15	.0	.2	2.9	26.6	49.3	21.1	84	4543
18&21	.0	*	1.5	19.1	50.6	28.7	85	4797
TOT	0	100	1000	5239	8553	3898	83	18790

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TABLE 17

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PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WB FOG
20/22	.0	.0	.0	.0	.0	.0	*	.0	1	.0	*
17/19	.0	.0	.0	*	.0	*	*	.0	10	.0	*
14/16	.0	.0	.0	.0	*	*	*	*	37	.0	.1
11/13	.0	.0	.0	*	.1	.1	.1	.1	129	*	.5
9/10	.0	.0	.0	*	.2	2	.3	.1	217	*	.8
7/8	.0	*	*	.2	.5	.5	.5	.1	459	.0	1.8
6	.0	.0	.1	.2	.3	.4	.2	*	283	.0	1.1
5	.0	*	.1	.4	1.0	.9	.3	*	725	*	2.8
4	.0	*	.2	1.0	2.2	1.3	.2	*	1252	*	4.9
3	.0	*	.2	.9	1.2	1.1	.1	*	900	*	3.5
2	.0	*	.8	2.5	5.5	1.7	.1	.0	2717	*	10.7
1	.0	.1	.7	2.1	3.6	1.1	.1	.0	1939	*	7.6
0	*	.2	2.1	5.6	11.0	1.5	*	.0	5170	.1	20.4
-1	.0	.1	1.1	3.2	4.2	.8	.0	.0	2351	*	9.3
-2	*	.3	2.0	5.2	6.7	.4	*	.0	3695	*	14.7
-3	*	.1	.8	2.3	2.4	.2	.0	.0	1474	*	5.8
-4	*	.4	1.5	2.6	2.5	.1	.0	.0	1745	*	7.0
-5	*	.2	1.0	1.5	1.1	*	.0	.0	954	*	3.8
-6	*	.1	.3	.9	.4	.0	.0	.0	448	.0	1.8
-7/-8	*	.2	.4	1.2	.2	*	.0	.0	531	*	2.1
-9/-10	*	.1	.3	.2	*	.0	.0	.0	152	*	.6
-11/-13	.0	*	.1	*	*	.0	.0	.0	44	.0	.2
-14/-16	.0	*	*	.0	.0	.0	.0	.0	7	.0	*
-17/-19	.0	*	.0	.0	.0	.0	.0	.0	3	.0	*
TOTAL											
PCT	.1	1.9	11.7	30.1	43.2	10.5	2.1	.4	25244 100.0	.2	99.8

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TABLE 18

AREA 0003 NHA TRANG
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.8	.1	.0	.0	.0	2.3
1-2	2	2.8	3.5	.0	.0	.0	6.5
3-4	.0	.9	4.3	.9	.0	.0	6.1
5-6	.0	.1	1.5	.9	.2	.0	2.7
7	.0	*	.8	.9	.1	.0	1.9
8-9	.0	*	.3	.6	.2	.0	1.1
10-11	0	.0	.1	.3	.2	*	.6
12	.0	.0	*	.2	.2	.0	.4
13-16	.0	0	*	.2	.1	.1	.3
17-19	.0	.0	.0	*	*	*	.1
20-22	0	0	0	.0	.0	*	*
23-25	.0	.0	.0	.0	.0	*	*
26-32	0	.0	.0	.0	*	*	*
33-40	0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	0	0	.0	.0	.0	.0	.0
61-70	.0	.0	0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	0	0	.0	.0	0	0	.0
TOT PCT	.6	5.6	10.6	4.0	1.0	1	22.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.3	*	.0	.0	.0	1.7
1-2	.2	3.1	2.7	.0	.0	.0	6.1
3-4	.1	1.3	4.3	1.0	.0	.0	6.7
5-6	*	.2	2.4	.8	*	.0	3.5
7	.0	.1	1.0	.7	*	.0	1.9
8-9	.0	*	.3	.6	.1	.0	.9
10-11	.0	*	.1	.3	.1	.0	.6
12	.0	.0	*	.1	.1	*	.2
13-16	.0	*	*	.1	.1	*	.2
17-19	.0	.0	.0	*	*	*	*
20-22	.0	.0	.0	*	*	*	.1
23-25	.0	.0	.0	*	*	*	*
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	0	.0
TOT PCT	.7	6.1	11.1	3.6	.4	*	21.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	3	1.2	*	.0	0	.0	1.5
1-2	2	1.9	.7	.0	0	.0	2.7
3-4	*	6	6	.1	.0	0	1.3
5-6	0	1	.1	*	.0	0	.3
7	0	0	*	*	.0	.0	1
8-9	0	*	*	*	0	.0	*
10-11	0	*	*	*	*	0	*
12	.0	0	0	0	.0	.0	.0
13-16	0	0	*	*	.0	.0	*
17-19	0	0	*	0	.0	.0	*
20-22	0	0	.0	0	.0	0	.0
23-25	0	0	0	0	.0	.0	.0
26-32	0	0	0	.0	0	.0	0
33-40	0	0	0	0	0	.0	0
41-48	0	0	0	0	.0	0	0
49-60	0	0	0	0	.0	0	.0
61-70	0	0	0	0	0	0	.0
71-86	0	0	0	0	.0	.0	.0
87+	0	0	0	0	0	.0	.0
TOT PCT	5	3.7	1.5	2	*	.0	5.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.6	*	.0	.0	.0	2.0
1-2	.2	2.2	.9	.0	.0	.0	3.3
3-4	*	.4	.3	*	.0	.0	.8
5-6	.0	*	*	*	.0	.0	.1
7	.0	.0	*	*	.0	.0	*
8-9	0	*	.0	*	.0	.0	*
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	.0	.0	0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	0	.0	.0	.0	.0
61-70	.0	0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	4.2	1.4	.1	.0	.0	6.2

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TABLE 18

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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.5	.1	.0	.0	.0	2.0
1-2	.3	3.7	2.6	.0	.0	.0	6.6
3-4	*	1.1	2.0	.2	.0	.0	3.3
5-6	0	.2	.6	.1	.0	.0	.9
7	.0	*	.2	.1	.0	.0	.3
8-9	.0	*	*	*	.0	.0	.1
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	*	.0	.0	.0	*
13-16	.0	.0	.0	*	.0	*	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	*	.0	*
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	6.5	5.5	.4	*	*	13.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.5	.1	.0	.0	.0	2.0
1-2	.2	3.1	3.3	.0	.0	.0	6.5
3-4	*	1.2	3.7	.6	.0	.0	5.6
5-6	.0	.2	1.5	.5	*	.0	2.2
7	.0	*	.7	.5	*	.0	1.1
8-9	.0	*	.1	.2	.0	.0	.3
10-11	.0	*	.1	.2	*	.0	.2
12	.0	.0	*	*	*	.0	*
13-16	.0	.0	.0	*	.0	*	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	6.1	9.4	2.0	.1	*	18.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.2	*	.0	.0	.0	1.6
1-2	.1	1.4	.9	.0	.0	.0	2.4
3-4	*	.3	1.0	.1	.0	.0	1.4
5-6	.0	*	.4	.1	*	.0	.5
7	.0	.0	.2	.1	*	.0	.3
8-9	.0	.0	*	*	*	.0	.1
10-11	.0	.0	.0	*	*	.0	*
12	0	.0	*	*	*	.0	*
13-16	.1	.0	.0	.0	*	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.0	2.5	.3	*	.0	6.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.7	*	.0	.0	.0	1.1
1-2	.1	1.2	.5	.0	.0	.0	1.9
3-4	*	.3	.7	.1	.0	.0	1.1
5-6	.0	*	.2	*	.0	.0	.3
7	.0	.0	.1	.1	*	.0	.2
8-9	.0	.0	*	.1	*	.0	.1
10-11	.0	.0	*	*	*	.0	*
12	.0	.0	*	*	*	.0	*
13-16	.0	.0	*	*	*	*	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	*	*
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.3	1.6	.3	.1	*	4.7

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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.3	10.8	.4	.0	.0	.0	16.5	
1-2	1.6	19.2	14.9	.0	.0	.0	35.7	
3-4	.2	6.1	16.7	3.0	.0	.0	26.0	
5-6	*	.8	6.7	2.5	.2	.0	10.3	
7	.0	.1	3.0	2.4	.2	.0	5.6	
8-9	.0	*	.8	1.5	.3	.0	2.7	
10-11	.0	*	.3	.8	.4	*	1.5	
12	.0	.0	.1	.3	.3	.0	.7	
13-16	.0	*	.1	.4	.2	.1	.7	
17-19	.0	.0	*	*	*	.1	.1	
20-22	.0	.0	.0	*	*	*	.1	
23-25	.0	.0	.0	*	*	*	*	
26-32	.0	.0	.0	.0	*	*	.1	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								12502
TOT PCT	7.1	37.1	43.1	10.9	1.7	.2	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.3	24.1	19.9	5.4	2.5	1.0	.4	.2	.3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	8768	3
6-7	*	1.8	4.3	4.4	2.9	1.4	1.0	.5	.3	.1	*	*	.0	.0	.0	.0	.0	.0	.0	2539	5
8-9	*	.4	.8	1.2	1.6	1.2	.5	.3	.4	.1	*	*	.0	.0	.0	.0	.0	.0	.0	999	7
10-11	.0	.2	.3	.2	.4	.4	.4	.2	.3	*	*	*	*	*	.0	.0	.0	.0	.0	345	8
12-13	.0	.0	.1	*	.1	.1	.1	.1	.1	*	*	.0	*	.0	.0	.0	.0	.0	.0	94	10
>13	.0	.0	.0	*	.1	*	.1	*	*	*	*	*	*	.0	.0	.0	.0	.0	.0	55	13
INDET	8.3	2.8	2.0	1.0	.7	.4	.2	.1	.1	*	.0	*	.0	.0	.0	.0	.0	.0	.0	2418	2
TOTAL	1894	4566	4142	1841	1228	674	392	192	200	47	26	8	7	1	0	0	0	0	0	15218	4
PCT	12.2	29.4	27.3	12.3	8.3	4.6	2.7	1.3	1.4	.3	.2	.1	.1	*	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1855-1971

AREA 0003 NHA TRANG
12.1N 109.2E

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	12	*
89/90	.0	.0	.0	.4	1.8	1.3	.3	.7	.8	.2	.3	.2	179	.5
87/88	.1	.1	.4	2.8	8.5	5.6	3.6	3.4	4.0	2.4	.3	.2	958	2.7
85/86	.3	.4	3.6	13.7	22.0	17.1	12.1	9.3	17.8	9.8	3.0	.4	3348	9.1
83/84	1.6	2.2	5.8	23.9	36.3	29.4	24.8	28.1	30.6	23.7	9.0	2.4	6614	18.5
81/82	7.2	9.1	21.9	33.8	23.6	30.7	37.3	38.3	36.8	42.4	32.0	11.3	9752	27.2
79/80	17.5	19.4	26.4	15.4	5.5	10.2	13.4	11.9	7.5	16.2	29.2	29.8	5988	15.7
77/78	25.9	22.4	20.3	6.8	1.8	3.0	5.0	4.7	1.7	3.7	17.9	26.2	4096	11.4
75/76	25.5	22.4	11.3	2.4	.2	1.9	2.7	1.9	.4	1.2	7.1	22.5	2878	8.0
73/74	16.4	14.7	6.2	.4	.1	.5	.6	1.3	.1	.3	.9	5.6	1376	3.8
71/72	4.2	6.8	2.8	.3	.0	.0	.2	.4	.3	.1	.3	1.2	478	1.3
69/70	1.0	2.4	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	137	.4
67/68	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	18	.1
65/66	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	*
63/64	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	*
61/62	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	*
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0		
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	3187	2510	3410	3495	3214	2990	3098	3006	2636	2967	2665	2662	35840	100.0
MEAN	76.7	76.7	78.8	81.9	83.6	82.8	82.1	82.1	82.9	82.0	80.0	78.0	80.6	

PERIOD: (PRIMARY) 1925-1971
(OVER-ALL) 1855-1971

AREA 0003 NHA TRANG
12.1N 109.7E

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1014	1014	1013	1012	1013	1014	1013	1013	1013	2606
FEB	1014	1013	1013	1011	1012	1013	1013	1012	1013	1942
MAR	1012	1012	1012	1009	1011	1011	1011	1010	1011	2734
APR	1011	1011	1010	1008	1009	1010	1010	1009	1010	2734
MAY	1009	1008	1008	1006	1007	1008	1008	1007	1008	2495
JUN	1007	1007	1006	1005	1006	1007	1007	1006	1007	2325
JUL	1006	1005	1005	1004	1005	1006	1006	1005	1005	2419
AUG	1006	1007	1006	1004	1005	1006	1006	1006	1006	2330
SEP	1008	1008	1007	1005	1007	1008	1007	1008	1007	2005
OCT	1010	1010	1009	1008	1009	1010	1009	1009	1009	2373
NOV	1011	1012	1011	1010	1011	1011	1011	1010	1011	2039
DEC	1012	1013	1012	1011	1012	1013	1012	1012	1012	2086
ANN	1010	1010	1009	1008	1009	1010	1009	1009	1009	28088
OBS	4978	2011	5179	2155	4654	2043	4775	2293		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1000	1006	1009	1012	1013	1015	1017	1020	1023
FEB	998	1004	1008	1011	1013	1015	1018	1020	1022
MAR	996	1001	1006	1009	1011	1013	1016	1019	1029
APR	1000	1003	1006	1008	1010	1012	1014	1016	1022
MAY	998	1001	[illegible]	1006	1008	1009	1012	1014	1018
JUN	996	999	1002	[illegible]	[illegible]	1006	1011	1013	1019
JUL	993	997	1000	[illegible]	[illegible]	[illegible]	1010	1012	1015
AUG	994	998	1000	[illegible]	[illegible]	[illegible]	1013	1013	1017
SEP	996	1000	1002	1005	1007	[illegible]	[illegible]	[illegible]	1017
OCT	996	1000	1004	1008	1010	1011	[illegible]	[illegible]	[illegible]
NOV	998	1002	1006	1009	1011	1013	1015	1017	[illegible]
DEC	998	1000	1007	1010	1012	1014	1017	1019	1022

JANUARY

PERIOD: (PRIMARY) 1937-1971
(OVER-ALL) 1858-1971

AREA 0004 SAIGON
9.5N 107.5E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.2	.0	.1	.0	.0	.0	.0	.3		*	.0	.1		*	7.3	
NE	.4	.3	.5	.0	.0	.0	.0	1.2		.1	.1	.3		*	53.4	
E	*	.1	.1	.0	.0	.0	.0	.2		.1	.1	.2		.0	31.4	
SE	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	*		*	2.1	
S	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.6	
SW	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.4	
W	.0	.0	.0	.0	0	.0	.0	.0		.0	.0	.0		.0	.4	
NW	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
TOT OBS	23	13	25	0	0	0	0		61	6	7	23		2	3644	3743
TOT PCT	.6	.3	.7	.0	.0	.0	.0	1.6		.2	.2	.6		.1	97.4	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	.6	.4	.7	.0	.0	.0	.0	1.8		.0	.3	.7		.0	97.2	
06&09	.9	.4	.5	.0	.0	.0	.0	1.8		.0	.2	1.0		.0	97.0	
12&15	.4	.2	.7	.0	.0	.0	.0	1.4		.4	.1	.4		.0	97.7	
18&21	.5	.3	1.1	.0	.0	.0	.0	2.0		.3	.1	.3		.2	97.1	
TOT	23	13	29	0	0	0	0		65	7	7	23		2	3678	3782
PCT	.6	.3	.8	.0	.0	.0	.0	1.7		.2	.2	.6		.1	97.3	

JANUARY

PERIOD: (PRIMARY) 1937-1971
(OVER-ALL) 1858-1971

TABLE 3

AREA 0004 SAIGON
9.5N 107.5E

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.2	1.8	4.3	2.4	.3	*		8.9	17.3	10.6	15.3	8.5	10.2	6.3	7.3	7.2	11.2
NE	.5	8.1	29.5	15.6	1.7	.1		55.6	18.2	55.2	54.7	53.1	61.6	50.8	52.2	51.0	53.4
E	.4	6.7	17.2	5.7	.3	.0		30.3	15.9	28.2	17.2	27.8	24.3	37.5	31.7	34.8	28.5
SE	.2	1.1	.7	.1	.0	.0		2.1	9.7	1.6	.5	2.2	1.6	2.9	1.5	3.0	.5
S	.1	.3	.1	*	.0	.0		.6	8.0	.2	.4	.3	.8	1.1	.0	1.1	.2
SW	.1	.2	.1	.0	.0	.0		.4	5.2	.4	.0	.8	.0	.2	.2	.5	.5
W	.1	.3	.1	.0	.0	.0		.4	7.0	.9	.0	.9	.0	.2	.2	.1	.2
NW	.1	.5	.2	.1	.0	.0		.9	10.0	1.5	1.5	1.0	.2	.4	.4	1.0	.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8							.8	.0	1.3	.4	.4	1.2	.6	.4	.8	1.8
TOT OBS	111	833	2285	1047	102	4	4392		16.9	793	244	855	332	632	230	781	325
TOT PCT	2.5	19.0	52.3	23.8	2.3	.1		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.8	3.4	3.7	.0	.1		8.9	17.3	11.7	9.0	6.5	8.6
NE	2.4	20.8	26.7	5.6	.3		55.6	18.2	57.4	59.1	52.4	53.0
E	2.1	14.8	11.[illegible]	1.4	.1		30.3	15.9	25.7	26.8	36.3	32.8
SE	.7	1.2	.2	.0	.0		2.1	9.7	1.4	2.0	2.6	2.0
S	.3	.2	*	.0	.0		.6	8.0	.3	.5	.9	.8
SW	.3	.1	.0	.0	.0		.4	5.2	.3	.6	.2	.5
W	.3	.3	.0	.0	.0		.4	7.0	.7	.6	.2	.1
NW	.4	.4	.1	.0	.0		.9	10.0	1.5	.8	.4	.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.8						.8	.0	1.1	.6	.6	1.1
TOT OBS	353	1796	1875	348	20	4392		16.9	1037	1187	1062	1108
TOT PCT	8.0	40.9	42.7	7.9	.5		100.0		100.0	100.0	100.0	100.0

JANUARY

PERIOD: (PRIMARY) 1937-1971
(OVER-ALL) 1858-1971

AREA 0004 SAIGON
9.5N 107.5E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.1	2.1	21.2	49.1	24.6	1.8	.1	16.6	100.0	1037
06&09	.6	2.3	17.4	52.7	23.7	3.3	.1	17.1	100.0	1187
12&15	.6	.9	18.1	54.7	23.6	2.1	.0	17.2	100.0	1062
18&21	1.1	1.4	19.4	52.4	23.5	2.0	.2	16.7	100.0	1106
TOT	36	75	833	2295	1047	102	4	16.9		4392
PCT	.8	1.7	19.0	52.3	23.8	2.3	.1		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.0	1.0	2.8	1.7		5.6
NE	15.2	10.9	18.0	9.3		4.5
E	12.0	7.4	11.7	3.3		3.9
SE	.9	.5	.6	.3		4.1
S	.2	.2	.2	.0		3.0
SW	.1	.1	.2	.1		4.3
W	.1	*	.2	.2		8.0
NW	.2	.1	.3	.3		5.6
VAR	.0	.0	.0	.0		.0
CALM	.2	.2	.3	.1		4.0
TOT OBS	880	607	1022	456	2975	4.4
TOT PCT	29.9	20.4	34.4	15.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM) 4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 CHY MGT	TOTAL OBS
N	.0	*	*	.3	1.1	1.1	.2	.1	.1	.1	3.5	
NE	*	*	.3	.9	6.6	4.7	.7	.6	1.1	.9	37.6	
E	*	*	*	.2	2.2	4.2	.6	.2	.9	.9	25.1	
SE	.0	*	.0	.0	.2	.2	.1	.0	*	*	1.8	
S	.0	.0	.0	.0	*	.1	.0	.0	.0	.1	.5	
SW	.0	.0	.0	.0	1	.1	.0	.0	.0	*	.3	
W	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.3	
NW	.0	.0	*	.0	.2	.1	*	.0	.0	.1	.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.6	
TOT OBS	2	3	10	43	318	310	49	27	65	65	2003	2975
TOT PCT	.1	.1	.3	1.4	10.7	10.4	1.6	.9	2.2	2.2	70.0	100.0

JANUARY

PERIOD: (PRIMARY) 1937-1971
(OVER-ALL) 1858-1971

AREA 0004 SAIGON
9.5N 107.5E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	4.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3
= OR >5000	4.6	5.2	5.2	5.2	5.2	5.2	5.2	5.2
= OR >3500	5.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9
= OR >2000	14.3	17.3	17.5	17.5	17.5	17.5	17.5	17.5
= OR >1000	21.0	27.6	28.0	28.1	28.1	28.1	28.1	28.1
= OR >600	22.0	29.0	29.5	29.5	29.5	29.5	29.5	29.5
= OR >300	22.2	29.3	29.8	29.9	29.9	29.9	29.9	29.9
= OR >150	22.3	29.4	29.9	30.0	30.0	30.0	30.0	30.0
= OR > 0	22.3	29.5	30.0	30.1	30.1	30.1	30.1	30.1
TOTAL	670	887	903	904	904	904	904	904

TOTAL NUMBER OF OBS: 3008 PCT FREQ HH <5/8: 69.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
16.7	12.5	21.8	11.3	7.5	7.6	8.7	4.8	9.0	.0	3060

JANUARY

PERIOD: (PRIMARY) 1937-1971
(OVER-ALL) 1858-1971

AREA 0004 SAIGON
9.5N 107.5E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	*	*	.0	.0	.0	.0	.0	.0	.0	*	
	TOT %	.0	*	*	.0	.0	.0	.0	.0	.0	.0	*	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	*	.1	*	.0	.0	.0	.0	.0	.0	*	.2	
	TOT %	*	.1	*	.0	.0	.0	.0	.0	.0	*	.2	
2<5	PCP	*	.2	*	.0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	*	.3	.1	.0	.0	.0	.0	.0	.0	.0	.5	
	TOT %	.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.7	
5<10	PCP	.2	.6	.1	.0	.0	.0	.0	.0	.0	.0	.9	
	NO PCP	1.7	9.6	4.1	.3	.2	.1	.1	.1	.0	.1	16.1	
	TOT %	1.9	10.2	4.1	.3	.2	.1	.1	.1	.0	.1	17.0	
10+	PCP	*	.3	.1	.0	.0	.0	.0	.0	.0	.0	.5	
	NO PCP	5.7	43.9	27.6	1.9	.4	.4	.4	.8	.0	.7	81.6	
	TOT %	5.8	44.2	27.7	1.9	.4	.4	.4	.8	.0	.7	82.1	
	TOT OBS												3742
	TOT PCT	7.7	55.0	32.0	2.2	.6	.4	.4	.9	.0	.8	100.0	

JANUARY

PERIOD: (PRIMARY) 1957-1971
(OVER-ALL) 1858-1971

AREA 0604 SAIGON
9.5N 107.5E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	*	*	.0	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	*	*	.0	.0	.0	.0	.0	.0	.0	*	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	*	.0	.0	.0	.0	.0	.0	.0	*	*	
1<2	4-10	.0	.0	*	*	.0	*	*	.0	.0		.1	
	11-21	*	.1	*	.0	.0	.0	.0	.0	.0		.1	
	22+	*	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	*	.2	.1	*	.0	*	*	.0	.0	*	.3	
	0-3	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
2<5	4-10	*	.1	.1	.0	.0	.0	.0	.0	.0		.2	
	11-21	.1	.5	.1	.0	.0	.0	.0	.0	.0		.6	
	22+	*	.4	*	.0	.0	.0	.0	.0	.0		.5	
	TOT %	.1	1.0	.2	.0	.0	.0	.0	.0	.0	.0	1.4	
	0-3	.0	.0	.1	*	*	.0	.0	.0	.0	.1	.2	
5<10	4-10	.3	.8	.9	.1	.1	*	*	.1	.0		2.4	
	11-21	.8	4.3	1.7	.2	*	.0	*	*	.0		7.1	
	22+	.9	5.3	1.3	.0	.0	.0	.0	.0	.0		7.4	
	TOT %	2.0	10.3	3.9	.3	.2	*	.1	.1	.0	.1	17.1	
	0-3	.2	.4	.3	.2	.1	.1	*	.1	.0	.7	2.2	
10+	4-10	1.4	7.1	5.8	1.0	.2	.2	.2	.4	.0		16.2	
	11-21	3.2	24.7	16.1	.6	*	*	.1	.1	0		44.8	
	22+	1.3	11.6	5.0	.1	*	.0	.0	.1	.0		18.0	
	TOT %	6.0	43.7	27.1	1.8	.4	.4	.3	.8	.0	.7	81.2	
	TOT OBS												4123
	TOT PCT	8.2	55.3	31.4	2.1	.6	.4	.4	.9	.0	.8	100.0	

JANUARY

PERIOD: (PRIMARY) 1937-1971
(OVER-ALL) 1858-1971

AREA 0004 SAIGON
9.5N 107.5E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MH >4/8) AND OCCURRENCE OF MH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MH <5/8 ANY HGT	TOTAL OBS
00&03	.1	.1	.4	1.9	13.4	14.4	1.8	1.3	2.1	2.1	37.6	62.4	771
06&09	.0	.0	.4	1.5	10.5	11.2	1.5	.8	2.0	1.6	29.3	70.7	753
12&15	.0	.1	.1	1.2	9.8	8.7	1.8	.9	2.4	2.7	27.7	72.3	776
18&21	.3	.1	.4	1.2	8.3	7.3	1.6	.5	2.0	2.2	24.0	76.0	739
TOT	3	3	10	44	319	317	51	27	65	65	904	2138	3042
PCT	.1	.1	.3	1.4	10.5	10.4	1.7	.9	2.1	2.1	29.7	70.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.3	.7	14.9	84.2	758
06&09	.0	.0	.0	.9	14.4	84.7	743
12&15	.0	.0	.1	.9	15.3	83.6	776
18&21	.0	.0	.0	.5	18.5	81.0	731
TOT	0	0	3	23	474	2508	3008
PCT	.0	.0	.1	.8	15.8	83.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	MH <5/8 AND 5+	TOTAL OBS
00&03	.1	.7	3.2	35.2	61.6	758
06&09	.0	.4	2.7	27.2	70.1	743
12&15	.0	.3	2.4	25.9	71.6	776
18&21	.3	.8	2.6	22.0	75.4	731
TOT	3	16	82	831	2095	3008
PCT	.1	.5	2.7	27.6	69.6	100.0

JANUARY

PERIOD: (PRIMARY) 1937-1971
(OVER-ALL) 1858-1971

AREA 0004 SAIGON
9.5N 107.5E

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	*	.1	.1	.1	.0	.0	11	.4
85/89	.0	.0	.0	.1	.4	.7	.1	*	37	1.3
80/84	.0	.0	.0	.3	2.2	8.5	6.8	3.1	595	20.8
75/79	.0	.0	*	.2	3.0	21.6	24.8	16.6	1893	66.2
70/74	.0	.0	.0	*	.9	5.0	3.6	1.8	323	11.3
TOTAL	0	0	2	21	189	1027	1006	614	2859	100.0
PCT	.0	.0	.1	.7	6.6	35.9	35.2	21.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.2	.1	*	.0	.0	.0	.0	.0	.0
.1	.8	.3	*	.0	.1	.0	*	.0	.0
.9	12.4	6.3	.5	.1	.1	.2	.1	.0	.2
4.2	35.6	22.8	1.6	.4	.2	.2	.7	.0	.6
1.3	5.5	4.2	.2	.0	*	*	*	.0	.1
6.5	54.4	33.8	2.3	.5	.5	.4	.9	.0	.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	94	85	81	77	73	72	70	77.5	1045
06&09	95	89	85	79	75	73	70	79.2	1183
12&15	94	84	81	78	74	72	70	77.4	1074
18&21	87	81	80	77	73	72	70	76.6	1117
TOT	95	86	82	78	74	72	70	77.7	4419

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.3	5.3	34.9	37.1	22.4	82	722
06&09	.0	2.3	13.9	42.9	28.8	12.1	78	711
12&15	.0	.4	4.6	36.9	34.8	23.4	82	745
18&21	.0	.3	2.5	29.2	40.7	27.2	84	712
TOT	0	23	189	1040	1022	616	82	2890

JANUARY

PERIOD: (PRIMARY) 1937-1971
(OVER-ALL) 1858-1971

AREA 0004 SAIGON
9.5N 107.5E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	K FOG	WB FOG
17/19	.0	.0	.0	.0	.0	.0	*	1	.0	*
14/16	.0	.0	.0	.0	.0	*	*	2	.0	.1
11/13	.0	.0	*	.1	.1	.2	*	13	.0	.4
9/10	.0	.0	.1	.3	.3	.2	.0	30	.0	.9
7/8	.0	*	.3	.7	.5	.1	.0	57	.0	1.6
6	.0	.1	.2	.5	.1	*	.0	30	.0	.9
5	.0	.1	.8	1.5	.3	.0	.0	91	.0	2.6
4	.0	.3	2.3	1.6	.1	.0	.0	153	.0	4.4
3	.0	.4	1.8	1.3	.1	.0	.0	123	.0	3.5
2	.1	1.9	5.2	1.9	*	.0	.0	320	.0	9.1
1	*	2.5	5.8	1.1	*	.0	.0	332	.0	9.5
0	.3	7.3	12.1	.9	*	.0	.0	721	.1	20.5
-1	*	4.3	6.8	.6	*	.0	.0	409	*	11.7
-2	.3	5.7	6.1	.3	.0	*	.0	438	*	12.5
-3	.1	2.9	3.8	.3	.0	.0	.0	245	*	7.0
-4	.3	4.1	2.1	.2	.0	.0	.0	233	*	6.6
-5	*	1.7	2.0	.1	.0	.0	.0	133	.0	3.8
-6	.1	1.0	.9	.1	.0	.0	.0	73	.0	2.1
-7/-8	.3	.6	1.1	.2	.0	.0	.0	75	.0	2.1
-9/-10	*	.1	.3	.0	.0	.0	.0	16	.0	.5
-11/-13	.1	*	.1	.0	.0	.0	.0	6	.0	.2
TOTAL								3501		
PCT	1.6	32.9	51.7	11.7	1.5	.6	.1	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1971

JANUARY

TABLE 18

AREA 0004 SAIGON 9.5N 107.5E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.4
1-2	*	.8	.4	.0	.0	.0	1.3
3-4	.0	.3	1.4	.4	.0	.0	2.0
5-6	.0	.0	.4	.1	.0	.0	.5
7	.0	.0	.4	.4	*	.0	.9
8-9	.0	.0	.1	.2	.0	.0	.4
10-11	.0	.0	.0	.2	*	.0	.2
12	.0	.0	*	.1	*	.0	.2
13-16	.0	.0	.0	.1	*	.0	.1
17-19	.0	.0	.0	*	.0	.0	*
20-22	.0	.0	.0	*	.0	.0	*
23-25	.0	.0	.0	.0	.0	*	*
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1	1.4	2.7	1.6	.2	*	6.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.0	.1	.0	.0	.0	1.3
1-2	.2	4.6	6.3	.0	.0	.0	11.1
3-4	.1	2.0	12.9	5.8	.3	.0	20.8
5-6	.0	.2	6.5	2.4	.2	.0	9.3
7	.0	.0	3.2	2.9	.5	.0	6.7
8-9	.0	.0	.7	2.5	.5	.0	3.6
10-11	.0	.0	.1	1.3	.2	.0	1.5
12	.0	.0	.1	.9	.1	.0	1.1
13-16	.0	.0	*	.4	*	.0	.5
17-19	.0	.0	.0	.1	.1	.0	.2
20-22	.0	.0	*	*	.1	.0	.2
23-25	.0	.0	.0	.0	.1	.2	.2
26-32	.0	.0	.0	.0	.1	.0	.1
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	5	7.7	30.0	16.2	2.0	.2	56.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.0	.1	.0	.0	.0	1.3
1-2	.1	3.3	5.6	.0	.0	.0	10.0
3-4	.4	1.9	9.2	3.7	.0	.0	14.9
5-6	.0	.2	2.0	1.2	.0	.0	3.4
7	.0	.0	1.1	1.2	*	.0	2.3
8-9	.0	.0	.1	.4	.1	.0	.6
10-11	.0	.0	.1	.3	.0	.0	.4
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	*	.0	.0	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	0	0	.0	.0	.0	.0	.0
TOT PCT	3	7.4	18.3	7.0	.1	0	33.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.3	.0	.0	.0	.0	.3
1-2	*	.5	.4	.0	.0	.0	.9
3-4	*	.3	.1	.1	.0	.0	.6
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	*	*	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	0	0	.0	.0	.0	.0	.0
TOT PCT	.1	1.1	.6	.1	.0	.0	2.0

PERIOD: (OVER-ALL) 1963-1971

JANUARY

TABLE 18

AREA 0004 SAIGON 9.5N 107.5E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.2	.0	.0	.0	.0	.2
1-2	.0	.1	*	.0	.0	.0	.2
3-4	.0	*	.0	.0	.0	.0	*
5-6	.0	.0	.0	*	.0	.0	*
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	*	.3	.1	*	.0	.0	.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	*	.0	.0	.0	.0	.1
1-2	.1	.1	*	.0	.0	.0	.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.1	*	.0	.0	.0	.3

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	*	*	.0	.0	.0	.1
1-2	.0	*	.1	.0	.0	.0	.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	*	.1	.1	.0	.0	.0	.2

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	*	.0	.0	.0	.0	.1
1-2	.1	.2	.1	.0	.0	.0	.4
3-4	.0	.1	.1	*	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.4	.1	*	.0	.0	.7

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PERIOD: (OVER-ALL) 1963-1971

AREA 0004 SAIGON
9.5N 107.5E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.1	2.9	.3	.0	.0	.0	4.3	
1-2	.7	10.6	13.0	.0	.0	.0	24.2	
3-4	.2	4.6	23.6	10.0	.0	.0	38.4	
5-6	.0	1	9.0	3.7	.2	.0	13.4	
7	.0	.0	4.8	4.6	.6	.0	10.0	
8-9	.0	.0	.9	3.2	.6	.0	4.6	
10-11	.0	.0	.2	1.7	.2	.0	2.2	
12	.0	.0	.1	1.0	.1	.0	1.3	
13-16	.0	.0	*	.6	*	.0	.7	
17-19	.0	.0	.0	.1	.1	.0	.2	
20-22	.0	.0	*	.1	.1	.0	.3	
23-25	.0	.0	.0	.0	.1	.2	.3	
26-32	.0	.0	.0	.0	.1	.0	.1	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								2123
TOT PCT	2.0	18.5	52.0	25.0	2.3	.2	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.7	15.2	22.8	8.5	5.6	1.9	.5	.4	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1397	4
6-7	.0	1.1	7.8	5.4	4.3	2.5	1.5	.7	.4	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	805	6
8-9	.0	.2	1.0	.9	1.4	1.0	1.1	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	154	7
10-11	0	.2	.2	.4	.3	.3	.3	.6	.4	.1	*	.0	.0	.0	.0	.0	0	.0	.0	70	9
12-13	.0	.0	.2	.2	.1	.2	.1	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	25	9
>13	0	.0	.0	*	.0	.2	.1	.1	.1	.0	.1	.2	.2	.0	.0	.0	.0	.0	.0	29	17
INDET	1.2	2.4	2.6	1.2	1.0	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	229	4
TOTAL	48	478	865	417	318	163	92	57	36	10	7	9	9	0	0	0	0	0	0	2509	5
PCT	1.9	19.1	34.5	16.6	12.7	6.5	3.7	2.3	1.4	.4	.3	.4	.4	.0	.0	.0	.0	.0	.0	100.0	

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PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1857-1971

AREA 0004 SAIGON
9.5N 107.4E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	PRECIPITATION TYPE DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	*	*	*	.0	.0	.0	.0	.1		.0	*	.0		.0	4.6	
NE	.2	.1	*	.0	.0	.0	.0	.3		.1	.2	.7		.0	42.8	
E	.0	.0	.0	.0	.0	.0	.0	.0		*	.1	.8		.0	41.6	
SE	.0	*	.0	.0	.0	.0	.0	*		.0	*	.1		.0	4.2	
S	.0	.0	.0	.0	.0	.0	.0	.0		.0	*	*		.0	1.3	
SW	.0	.0	.0	.0	.0	0	.0	.0		.0	.0	.0		.0	.8	
W	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	*		.0	.5	
NW	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	*		.0	1.2	
TOT OBS	7	6	1	0	0	0	0		14	2	9	53		0	2914	2992
TOT PCT	.2	.2	*	.0	.0	.0	.0	.5		.1	.3	1.8		.0	97.4	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	PRECIPITATION TYPE DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	.3	.1	.0	.0	.0	.0	.0	.4		.0	.3	.9		.0	98.4	
06&09	.1	.3	.0	.0	.0	.0	.0	.4		.0	.4	2.9		.0	96.3	
12&15	.3	.1	.0	.0	.0	.0	.0	.4		.3	.4	1.6		.0	97.4	
18&21	.3	.3	.1	.0	.0	.0	.0	.6		.0	.3	1.7		.0	97.4	
TOT	7	6	1	0	0	0	0		14	2	10	53		0	2917	2996
PCT	.2	.2	*	.0	.0	.0	.0	.5		.1	.3	1.8		.0	97.4	

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PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1857-1971

TABLE 3

AREA 0004 SAIGON
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PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.1	1.4	2.7	1.4	.1	.0		5.6	16.5	5.3	11.2	6.8	6.4	4.7	2.8	4.3	7.1
NE	.4	8.8	23.8	11.1	.6	.0		44.7	17.0	46.7	53.7	45.1	50.0	41.8	48.0	50.3	46.1
E	1.0	9.5	22.7	6.3	.3	.0		39.8	15.1	38.9	24.0	40.2	31.5	44.3	37.0	45.6	32.3
SE	.6	2.8	1 2	.1	*	.0		4.7	8.9	4.8	2.8	3.7	7.2	4.6	5.0	4.9	5.8
S	.3	1.1	.2	.0	.0	.0		1.5	6.5	1.2	1.7	.8	2.2	1.8	2.5	1.2	2.8
SW	.2	.7	.1	*	.0	.0		1.0	6.3	.5	3.0	.6	1.3	.6	1.3	.9	3.0
W	.1	.3	.1	*	.0	.0		.5	8.7	.8	1.0	.7	.0	.3	1.3	.4	.3
NW	*	.1	.1	.1	.0	.0		.4	14.1	.3	.7	.6	.8	.4	.3	.2	.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0								
TOT OBS	159	920	1892	712	36	0	3719		15.3	1.4	2.0	1.5	.7	1.5	1.9	2.1	2.0
TOT PCT	4.3	24.7	50.9	19.1	1.0	.0		100.0		648	150	742	268	719	160	728	304
										100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	.5	2.5	2.2	.6	.0		5.6	16.5	6.4	6.7	4.3	5.1
NE	2.5	18.4	20.4	3.4	.1		44.7	17.0	48.0	46.4	42.9	42.0
E	4.0	19.0	15.4	1.4	.0		39.8	15.1	36.1	37.9	43.0	41.8
SE	1.8	2.5	.4	*	.0		4.7	8.9	4.4	4.6	4.7	5.1
S	.9	.6	*	.0	.0		1.5	6.5	1.3	1.2	1.9	1.7
SW	.7	.3	*	.0	.0		1.0	6.3	1.0	.8	.7	1.5
W	.2	.2	.1	.0	.0		.5	8.7	.9	.5	.5	.4
NW	.1	.1	.2	.0	.0		.4	14.1	.4	.6	.4	.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	1.5	1.3	1.6	2.0
TOT OBS	460	1619	1437	201	2	3719		15.3	798	1010	879	1032
TOT PCT	12.4	43.5	38.6	5.4	.1		100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1857-1971

AREA 0004 SAIGON
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.5	3.3	25.1	48.6	19.7	.9	.0	15.1	100.0	798
06&09	1.3	2.6	24.8	52.5	17.5	1.4	.0	15.2	100.0	1010
12&15	1.6	1.7	20.8	55.1	19.6	1.3	.0	15.9	100.0	879
18&21	2.0	3.1	27.0	47.5	20.0	.4	.0	14.9	100.0	1032
TOT	60	99	920	1892	712	36	0	15.3		3719
PCT	1.6	2.7	24.7	50.9	19.1	1.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.1	1.1	1.5	.2		4.0
NE	13.7	9.3	15.5	4.0		4.1
E	20.3	10.7	12.8	1.9		3.4
SE	2.4	.7	1.3	.1		3.1
S	.6	.3	.1	*		2.2
SW	.2	1	*	.0		2.3
W	.1	.1	.1	.1		4.8
NW	.2	*	.1	*		3.7
VAR	.0	.0	.0	.0		.0
CALM	.7	.4	.1	*		2.6
TOT OBS	869	501	696	143	2209	3.7
TOT PCT	39.3	22.7	31.5	6.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH >4/8) AND OCCURRENCE OF MH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.1	.2	.6	.2	.0	*	.0	.0	2.8	
NE	.1	.0	.1	1.3	3.3	4.7	.4	.5	.9	.4	30.9	
E	*	.0	.0	.7	2.4	3.1	.6	.7	1.5	.8	36.1	
SE	.0	*	.0	*	.2	.5	*	.1	*	*	3.5	
S	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	1.0	
SW	.0	.0	.0	.0	*	.0	.0	.0	.0	*	.3	
W	.0	.0	.0	*	*	*	.0	.0	.0	*	.3	
NW	.0	.0	.0	*	*	.1	.0	.0	*	.0	.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	*	*	.0	.0	.0	.0	1.1	
TOT OBS	2	1	4	51	146	191	23	28	55	28	1680	2209
TOT PCT	.1	*	.2	2.3	6.6	8.6	1.0	1.3	2.5	1.3	76.1	100.0

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PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1857-1971

AREA 0004 SAIGON
9.5N 107.4E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (MM >4/8) AND VSBY (MM)

CEILING (FEET)	VSBY (MM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	3.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8
= OR >5000	4.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0
= OR >3500	5.2	6.0	6.0	6.0	6.1	6.1	6.1	6.1
= OR >2000	12.5	14.7	14.7	14.7	14.7	14.7	14.7	14.7
= OR >1000	17.8	21.3	21.3	21.3	21.3	21.3	21.3	21.3
= OR >600	19.5	23.6	23.6	23.6	23.6	23.6	23.6	23.6
= OR >300	19.6	23.8	23.8	23.8	23.8	23.8	23.8	23.8
= OR >150	19.6	23.8	23.8	23.8	23.9	23.9	23.9	23.9
= OR > 0	19.6	23.9	23.9	23.9	23.9	23.9	23.9	23.9
TOTAL	434	527	528	528	529	529	529	529

TOTAL NUMBER OF OBS: 2209

PCT FREQ MM <5/8: 76.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
17.1	14.0	23.9	12.0	9.2	7.1	9.2	4.0	3.5	.0	2275

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PERIOD: (PRIMARY) 1934-1971
(BVCN-ALL) 1857-1971

TABLE 8

AREA 0004 SAIGON
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PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2 <1	PCP	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
1 <2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.3	
2 <5	PCP	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
	NO PCP	.1	.2	*	.0	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.1	.2	*	*	.0	.0	.0	.0	.0	.0	.3	
5 <10	PCP	.1	.2	.0	0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.5	6.0	5.4	.8	.3	.1	.1	*	.0	.0	14.2	
	TOT %	.6	6.2	5.4	.8	.3	.1	.1	*	.0	.0	14.4	
10+	PCP	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	4.1	37.5	35.9	3.6	1.0	.7	.4	.4	.0	1.3	84.8	
	TOT %	4.1	37.6	35.9	3.6	1.0	.7	.4	.4	.0	1.3	84.9	
	TOT OBS												2992
	TOT PCT	4.7	44.1	42.5	4.4	1.3	.8	.5	.4	.0	1.3	100.0	

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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	*	.0	.0	.0	.0	.0	.0	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	*	.0	.0	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	*	.1	.0	.0	.0	.0	.0	.0		.1	
	11-21	*	*	.2	.0	.0	.0	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.1	.2	.0	.0	.0	.0	.0	.0	.0	.4	
	0-3	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	*	
2<5	4-10	.0	.1	.0	.1	.0	.0	.0	.0	.0		.2	
	11-21	.1	.1	*	.0	.0	.0	.0	.0	.0		.2	
	22+	.1	.1	*	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.1	.3	*	.1	*	.0	.0	.0	.0	.0	.5	
	0-3	.0	*	.1	.1	*	.0	.0	.0	.0	*	.2	
5<10	4-10	.2	.8	1.1	.4	.2	.1	.1	*	.0		2.9	
	11-21	.2	3.3	3.6	.1	*	*	.1	.0	.0		7.3	
	22+	.3	2.4	1.4	.1	.0	.0	.0	.0	.0		4.1	
	TOT %	.7	6.5	6.2	.7	.3	.1	.1	*	.0	*	14.5	
	0-3	.1	.3	.8	.5	.2	.2	.1	*	.0	1.4	3.6	
10+	4-10	1.1	7.4	8.5	2.3	.9	.7	.2	.1	.0		21.1	
	11-21	2.2	19.9	20.0	1.0	.3	.1	.1	.1	.0		43.6	
	22+	.9	9.3	5.7	.1	.0	*	*	.1	.0		16.2	
	TOT %	4.3	36.9	35.0	3.8	1.3	.9	.4	.4	.0	1.4	84.5	
	TOT OBS												3316
	TOT PCT	5.1	43.8	41.5	4.6	1.6	1.0	.5	.4	.0	1.4	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET-MM >4/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00&03	.2	.2	.4	2.2	8.1	11.8	1.7	1.7	2.9	1.3	30.2	69.8	543
06&09	.2	.0	.0	2.6	6.7	10.0	.7	1.1	2.1	1.8	25.1	74.9	570
12&15	.0	.0	.3	2.5	5.8	5.8	1.2	.8	2.4	.7	19.4	80.6	589
18&21	.0	.0	.0	1.6	5.5	6.5	.5	1.4	2.3	1.2	19.3	80.7	561
TOT	2	1	4	51	146	191	23	28	55	28	529	1734	2263
PCT	.1	*	.2	2.3	6.5	8.4	1.0	1.2	2.4	1.2	23.4	76.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.4	12.5	87.1	528
06&09	.0	.2	.0	.2	12.6	87.1	557
12&15	.0	.0	.0	.0	14.4	85.6	575
18&21	.0	0	.0	.2	14.6	85.2	549
TOT	0	1	0	4	298	1905	2209
PCT	0	*	.0	.2	13.5	86.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET-MM >4/8) BY HOUR

HOUR (GMT)	<150 <500FT	<600 <1	<1000 <3	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00&03	.2	.8	3.2	28.0	68.0	528
06&09	.2	.4	3.2	22.6	74.1	557
12&15	.0	.3	3.0	16.9	80.2	575
18&21	.0	.0	1.8	18.0	80.1	549
TOT	2	8	62	470	1677	2209
PCT	.1	.4	2.8	21.3	75.9	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.1	.0	.0	.0	2	.1
90/94	.0	.0	.0	.0	.2	.2	.1	.0	10	.5
85/89	.0	.0	.0	.1	1.2	1.0	.6	.3	71	3.3
80/84	.0	.0	.0	.1	1.8	10.7	8.8	5.9	595	27.4
75/79	.0	.0	.0	*	.9	14.0	28.6	19.7	1376	63.3
70/74	.0	.0	.0	.0	.0	.6	2.4	2.5	121	5.6
TOTAL	0	0	0	5	91	577	883	619	2175	100.0
PCT	.0	.0	.0	.2	4.2	26.5	40.6	28.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	*	.0	.0	.0	.0	*	*	0	.0
.0	.1	.3	.1	*	.0	.0	.0	0	.0
*	1.4	1.4	.2	.1	*	*	.0	.0	*
.7	12.6	11.9	1.3	.2	.1	.1	.2	.0	.2
2.6	26.6	29.7	2.6	.5	.1	.1	.1	.0	.2
.6	2.7	2.1	.1	.0	*	.0	.0	.0	.0
4.0	43.4	45.4	4.2	.9	.3	.3	.3	.0	1.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	95	85	82	78	74	73	70	78.0	796
06&09	95	90	86	80	75	73	70	80.2	1000
12&15	89	84	81	78	74	72	70	77.7	879
18&21	83	81	80	77	73	72	70	76.9	1031
TOT	95	87	83	78	74	72	70	78.2	3708

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.2	2.4	22.7	44.3	30.4	85	503
06&09	.0	.5	11.2	44.2	33.1	10.9	80	553
12&15	.0	.0	2.0	23.5	44.8	29.7	85	558
18&21	.0	.2	1.2	18.6	40.2	39.7	87	564
TOT	0	5	92	578	883	620	84	2178

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	*	.1	.1	6	.0	.2
11/13	.0	.0	.0	*	.2	.2	.1	13	.0	.5
9/10	.0	.0	.1	.2	.2	.1	.0	18	.0	.6
7/8	.0	*	.5	.4	.4	.1	.0	41	.0	1.4
6	.0	.0	.2	.3	.6	.1	.0	34	.0	1.2
5	.0	.2	.5	1.5	.5	.1	.0	80	*	2.8
4	.0	.5	2.2	2.2	.3	*	.0	149	*	5.2
3	.0	.1	2.3	1.2	.2	.0	.0	108	.0	3.8
2	*	1.5	5.1	3.4	.1	.0	.0	291	.1	10.1
1	.0	2.2	4.9	1.7	.2	.0	.0	258	.0	9.0
0	.2	6.5	10.5	2.7	.0	.0	.0	570	.1	19.8
-1	*	3.4	6.1	1.0	.0	.0	.0	299	.0	10.5
-2	.3	5.8	7.1	1.2	.0	.0	.0	412	*	14.4
-3	*	2.8	3.6	.1	.0	.0	.0	187	.0	6.5
-4	.1	2.7	2.7	.3	.0	.0	.0	164	.0	5.7
-5	.2	1.2	1.9	.5	.0	.0	.0	111	.0	3.9
-6	*	.6	.8	.1	.0	.0	.0	46	.0	1.6
-7/-8	.1	.9	1.0	.0	.0	.0	.0	58	*	2.0
-9/-10	.0	.3	.2	.0	.0	.0	.0	13	.0	.5
TOTAL								2858		
PCT	1.1	28.7	49.9	16.9	2.8	.6	.2	100.0	.3	99.7

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TABLE 18

AREA 0004 SAIGON 9.5N 107.4E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.0	.7	.0	.0	.0	.7
3-4	*	*	1.0	.1	.0	.0	1.2
5-6	.0	*	.4	.0	.1	.0	.5
7	.0	*	.2	.3	*	0	.6
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	*	.2	2.2	.7	.1	.0	3.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.0	.0	.0	.0	.7
1-2	.1	2.2	5.0	.0	.0	.0	7.3
3-4	*	2.3	10.0	2.0	.0	.0	14.4
5-6	.0	.1	5.6	3.0	.1	.0	8.9
7	.0	*	2.1	3.1	.1	.0	5.3
8-9	.0	.0	.7	2.0	.2	.0	2.9
10-11	.0	.0	.3	1.2	.1	.0	1.6
12	.0	.0	.1	.8	.1	.0	1.0
13-16	.0	.0	.1	.5	.1	.0	.7
17-19	.0	.0	.0	.1	*	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	5.4	23.9	12.8	.7	.0	42.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.2	.2	.0	.0	.0	1.4
1-2	.1	4.0	8.1	.0	.0	.0	12.2
3-4	.0	2.2	15.2	3.5	.0	.0	20.9
5-6	.0	.1	4.8	1.9	.1	.0	6.8
7	.0	.1	1.7	1.9	.0	.0	3.7
8-9	.0	.0	.4	1.4	.1	.0	2.0
10-11	.0	.0	.3	.7	.3	.0	1.2
12	.0	.0	.2	.1	*	.0	.3
13-16	.0	.0	.0	.2	.0	.0	.2
17-19	.0	.0	.0	.0	*	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	7.5	30.8	9.7	.6	.0	48.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.9	*	.0	.0	.0	1.0
1-2	.1	.9	.7	.0	.0	.0	1.7
3-4	.0	.4	.4	.2	.0	.0	.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	*	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	2.2	1.2	.2	*	.0	3.6

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TABLE 18

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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.3	.0	.0	.0	.0	.3
1-2	.0	*	.0	.0	.0	.0	*
3-4	.0	*	.0	.0	.0	.0	*
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	0	.0	.0	.0
26-32	0	.0	.0	0	.0	.0	.0
33-40	.0	0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.4	0	.0	.0	.0	.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	*	.0	.0	.0	.0	*
1-2	.0	.1	.0	.0	.0	.0	.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	*	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.1	.0	*	.0	.0	.1

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	*	.0	0	.0	.0	*
3-4	0	*	.1	.0	.0	.0	.1
5-6	0	0	.0	0	.0	.0	.0
7	0	.0	.0	0	.0	.0	.0
8-9	.0	.0	.0	.0	0	.0	.0
10-11	0	0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	0	.0	.0	.0	.0	0	.0
17-19	.0	.0	.0	*	.0	.0	*
20-22	0	.0	.0	.0	.0	.0	.0
23-25	0	.0	.0	0	.0	.0	.0
26-32	.0	0	.0	.0	.0	.0	.0
33-40	.0	0	.0	.0	0	.0	.0
41-48	0	0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	0	0	.0	.0	.0	.0	.0
TOT PCT	.0	.2	.1	*	.0	.0	.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	*	.0	.0	.0	.0	*
1-2	.0	.0	*	.0	.0	.0	*
3-4	.0	*	.0	.0	.0	.0	*
5-6	.0	*	.0	.1	.0	.0	.1
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	*	*	.1	.0	.0	.2

FEBRUARY

PERIOD: (OVER-ALL) 1963-1971

AREA 0004 SAIGON
9.5N 107.4E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.9	3.3	.2	.0	.0	.0	4.4	
1-2	.2	7.3	14.4	.0	.0	.0	22.0	
3-4	.1	5.0	26.5	5.8	.0	.0	37.4	
5-6	.0	.3	10.8	5.0	.2	.0	16.3	
7	.0	.1	4.0	5.3	.1	.0	9.6	
8-9	.0	.0	1.1	3.6	.4	.0	5.0	
10-11	.0	.0	.6	1.9	.4	.0	2.8	
12	.0	.0	.2	1.0	.1	.0	1.4	
13-16	.0	.0	.1	.7	.1	.0	.9	
17-19	.0	.0	.0	.1	.1	.0	.2	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1655
TOT PCT	1.2	16.0	57.9	23.4	1.4	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.3	16.9	26.6	7.7	3.2	1.6	1.3	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1147	4
6-7	0	.6	4.7	5.7	5.3	2.7	1.2	.5	.5	.1	.0	.0	0	.0	.0	.0	.0	.0	.0	403	6
8-9	.0	.4	.7	1.8	2.0	1.6	1.3	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	162	7
10-11	.0	.0	.2	.5	.9	.5	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	61	8
12-13	0	.0	.1	.0	.0	.1	.1	.3	.1	.0	.1	0	.0	.0	.0	.0	.0	.0	.0	12	10
>13	0	.0	.0	.0	.0	0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	15
INDET	1.2	.8	1.5	.7	.6	.3	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	104	4
TOTAL	66	355	638	309	228	129	84	52	24	4	1	0	0	0	0	0	0	0	0	1890	5
PCT	3.5	18.8	33.8	16.3	12.1	6.8	4.4	2.8	1.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1866-1971

AREA 0004 SAIGON
9.5N 107.5E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	PRECIPITATION TYPE DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.0	.0	.1	.0	.0	.0	.0	.1		.0	*	.1	.0		3.6	
NE	.1	.1	.1	.0	.0	.0	.0	.3		.1	.2	.6	.0		30.2	
E	*	.0	.0	.0	.0	.0	.0	*		.3	.1	.6	.0		38.8	
SE	.1	.0	.0	.0	.0	.0	.0	.1		.1	.0	.1	.0		11.1	
S	*	.1	.0	.0	.0	.0	.0	.1		.2	*	.1	.0		6.7	
SW	.0	.1	.0	.0	.0	.0	.0	.1		.1	*	.0	.0		3 0	
W	[illegible]	.0	.0	.0	.0	.0	0	.0		*	.0	*	.0		.8	
NW	*	*	.0	.0	.0	.0	.0	.1		.0	.0	.1	.0		.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		*	
CALM	.0	.0	.0	.0	.0	.0	.0	.0		*	.0	.0	.0		1.6	
TOT OBS	8	9	7	0	0	0	0		24	30	13	51	0		3326	3443
TOT PCT	.2	.3	.2	.0	.0	.0	.0	.7		.9	.4	1.5	.0		96.6	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	PRECIPITATION TYPE DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	.6	.4	.1	.0	.0	.0	.0	1.1		.0	.5	1.1	.0		97.3	
06&09	.0	.1	.2	0	.0	.0	.0	.3		.0	.5	2.3	.0		96.9	
12&15	.2	.3	.2	.0	.0	.0	.0	.8		2.2	.3	1.8	.0		94.8	
18&21	.1	.2	.2	.0	.0	.0	.0	.6		1.2	.2	.8	.0		97.4	
TOT	8	9	7	0	0	0	0		24	30	13	52	0		3338	3456
PCT	.2	.3	.2	.0	.0	.0	.0	.7		.9	.4	1.5	.0		96.6	

MARCH

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1866-1971

TABLE 3

AREA 0004 SAIGON
9.5N 107.5E

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD
N	.4	1.3	2.3	.7	*	.0		4.8	13.9
NE	1.0	10.1	16.8	4.8	.3	*		33.1	14.4
E	1.4	16.3	16.5	2.9	*	.0		37.1	12.1
SE	1.8	7.3	2.0	.1	.0	.0		11.3	7.2
S	1.3	4.7	.9	.0	.0	.0		6.9	6.7
SW	.4	1.8	.7	*	.0	.0		2.9	8.0
W	.1	.5	.1	*	.0	.0		.8	8.4
NW	.2	.3	.2	*	.0	.0		.8	8.4
VAR	.0	*	.0	.0	.0	.0		*	4.0
CALM	2.3							2.3	.0
TOT OBS	382	1806	1685	361	14	2	4250		11.6
TOT PCT	9.0	42.5	39.6	8.5	.3	*		100.0	

HOUR (GMT) 00	03	06	09	12	15	18	21
5.4	7.9	5.3	5.7	3.9	2.6	3.6	5.3
34.3	40.4	34.9	39.4	28.0	29.2	29.9	37.3
37.5	29.0	37.0	29.0	41.9	35.8	41.2	28.2
9.4	9.9	9.2	13.5	11.4	14.2	12.6	14.4
6.2	5.4	5.2	9.0	7.9	12.4	6.2	8.6
3.4	2.9	2.9	1.8	2.9	2.8	3.2	2.8
1.1	1.3	1.1	.0	.7	1.1	.5	.5
1.1	.7	1.1	.0	1.1	.3	.3	.2
.0	.0	.0	.0	.1	.0	.0	.0
1.6	2.4	3.3	1.6	2.0	1.6	2.4	2.7
730	205	867	306	787	189	833	333
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD
N	.8	2.2	1.5	.3	.0		4.8	13.9
NE	3.9	17.0	10.8	1.3	*		33.1	14.4
E	7.5	20.5	8.5	.6	.0		37.1	12.1
SE	5.8	5.1	.4	*	.0		11.3	7.2
S	3.8	3.1	.1	.0	.0		6.9	6.7
SW	1.1	1.8	.1	.0	.0		2.9	8.0
W	.4	.3	.1	.0	.0		.8	8.4
NW	.4	.2	.1	.0	.0		.8	8.4
VAR	*	.0	.0	.0	.0		*	4.0
CALM	2.3						2.3	.0
TOT OBS	1107	2138	913	93	2	4250		11.6
TOT PCT	26.1	50.3	21.4	2.2	*		100.0	

HOUR (GMT) 00 03	06 09	12 15	18 21
6.0	5.4	3.7	4.1
35.6	36.1	28.2	32.0
35.6	34.9	40.7	37.5
9.5	10.3	12.0	13.1
6.0	6.2	8.8	6.9
3.3	2.6	2.9	3.1
1.1	.8	.8	.5
1.0	.8	1.0	.3
.0	.0	.1	.0
1.8	2.9	1.9	2.5
935	1173	976	1166
100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1866-1971

AREA 0004 SAIGON
9.5N 107.5E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.8	7.8	41.3	39.9	8.9	.2	.1	11.6	100.0	935
06&09	2.9	8.1	41.2	38.9	8.4	.4	.1	11.4	100.0	1173
12&15	1.9	4.9	43.8	40.1	9.0	.2	.0	11.8	100.0	975
18&21	2.5	5.7	43.7	39.9	7.8	.4	.0	11.5	100.0	1166
TOT	99	283	1805	1685	361	14	2	11.6		4249
PCT	2.3	6.7	42.5	39.7	8.5	.3	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.1	1.1	1.0	.3		3.3
NE	11.1	8.9	8.3	1.8		7.5
E	21.1	9.9	9.8	1.0		3.0
SE	5.0	2.9	2.4	.2		3.0
S	2.6	1.8	2.3	.3		3.5
SW	1.2	1.2	1.2	.1		3.8
W	.5	.3	.3	.0		3.3
NW	.3	.2	.4	.1		4.1
VAR	*	.0	.0	.0		.0
CALM	.4	.3	.4	.2		4.1
TOT OBS	1089	669	654	100	2512	3.3
TOT PCT	43.4	26.6	26.0	4.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM) &4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	.1	.0	.0	.2	.2	.3	.0	*	.0	.0	2.7	
NE	.1	.0	.0	.6	1.9	2.2	.6	.2	.4	.2	23.8	
E	.0	.0	.0	.1	2.1	2.7	.8	.3	.6	*	35.3	
SE	.0	.0	.0	.0	.6	.7	.1	.2	*	*	8.9	
S	.0	.0	.0	.0	.3	.4	.0	.1	.1	.0	6.1	
SW	.0	.0	.0	.0	.2	.3	.2	.1	.0	.0	5.0	
W	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.9	
NW	.0	.0	.0	.0	.1	.2	.0	*	*	.0	.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	
CALM	.0	.0	.0	*	.1	*	*	.0	.0	.0	1.1	
TOT OBS	4	0	0	25	137	173	42	22	29	7	2073	2512
TOT PCT	.2	.0	.0	1.0	5.5	6.9	1.7	.9	1.2	.3	82.5	100.0

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1856-1971

AREA 0004 SAIGON
9.5N 107.5E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM:

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= OR >5000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
= OR >3500	3.3	4.0	4.0	4.0	4.0	4.0	4.0	4.0
= OR >2000	9.2	10.8	10.8	10.8	10.8	10.8	10.8	10.8
= OR >1000	13.9	16.2	16.3	16.3	16.3	16.3	16.3	16.3
= OR >600	14.5	17.1	17.2	17.3	17.3	17.3	17.3	17.3
= OR >300	14.5	17.1	17.2	17.3	17.3	17.3	17.3	17.3
= OR >150	14.5	17.1	17.2	17.3	17.3	17.3	17.3	17.3
= OR > 0	14.6	17.2	17.4	17.4	17.4	17.4	17.4	17.4
TOTAL	368	434	438	439	439	439	439	439

TOTAL NUMBER OF OBS: 2519

PCT FREQ NH <5/8: 82.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
14.2	12.8	29.8	16.7	9.1	7.2	6.4	1.9	1.8	.1	2611

MARCH

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1866-1971

TABLE 8

AREA 0004 SAIGON
9.5N 107.5E

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (MM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1<2	PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	TOT %	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
2<5	PCP	*	.0	*	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	*	.3	.1	.0	.1	*	.0	.0	.0	.0	.6	
	TOT %	.1	.3	.2	.0	.1	*	.0	.0	.0	.0	.6	
5<10	PCP	*	.1	.0	*	.1	.1	.0	.1	.0	.0	.3	
	NO PCP	.8	4.8	6.4	1.4	.7	.2	*	.1	.0	.1	14.6	
	TOT %	.9	4.9	6.4	1.4	.8	.3	*	.1	.0	.1	14.9	
10+	PCP	*	.2	.0	*	.1	.0	.0	.0	.0	.0	.3	
	NO PCP	2.9	25.9	33.2	9.9	6.2	2.9	.9	.7	*	1.5	84.0	
	TOT %	2.9	26.1	33.2	9.9	6.3	2.9	.9	.7	*	1.5	84.3	
	TOT OBS												
	TOT PCT	3.8	31.4	39.8	11.3	7.1	3.2	.9	.8	*	1.6	100.0	3443

MARCH

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1866-1971

AREA 0004 SAIGON
9.5N 107.5E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	*	*	.1	.0	.0	.0	*	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	.1	.0	.0	.0	*	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	*	.0	.0	.0	.0	.0	.0	.0		*	
	11-21	*	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	*	.0	.0	.0	.0	.0	.0	.0		*	
	TOT %	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	0-3	*	*	*	.0	*	*	.0	*	.0	*	.2	
2<5	4-10	*	.1	.1	.0	.1	.0	*	.0	.0		.3	
	11-21	*	.2	.1	.0	.0	.0	.0	.0	.0		.4	
	22+	.1	.1	*	.0	.0	.0	.0	.0	.0		.2	
	TOT %	.1	.4	.3	.0	.1	*	*	*	.0	*	1.1	
	0-3	*	.1	.2	.1	.1	.0	.0	*	.0	.1	.6	
5<10	4-10	.2	1.0	1.7	.9	.4	.2	*	.1	.0		4.6	
	11-21	.4	3.0	3.8	.4	.2	*	.0	.1	.0		7.8	
	22+	.2	.9	.4	*	.0	.0	0	.0	.0		1.5	
	TOT %	.8	5.0	6.1	1.4	.7	.3	*	.1	.0	.1	14.5	
	0-3	.3	.6	1.1	1.8	1.2	.4	.2	.1	.0	1.7	7.3	
10+	4-10	.9	8.5	14.9	6.6	4.4	1.7	.4	.3	*		37.8	
	11-21	1.7	13.4	13.5	1.7	.8	.8	.2	.2	.0		32.1	
	22+	.4	3.8	2.6	*	.0	*	*	*	.0		6.9	
	TOT %	3.3	26.3	32.1	10.1	6.4	2.8	.8	.6	*	1.7	84.0	
	TOT OBS												3817
	TOT PCT	4.3	32.0	38.5	11.4	7.2	3.1	.9	.8	*	1.9	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.2	.0	.0	.8	7.7	8.7	.8	1.3	1.8	.3	21.6	78.4	611
06&09	.2	.0	.0	.8	6.2	9.0	1.9	.9	1.5	.2	20.6	79.4	646
12&15	.2	.0	.0	1.4	3.8	4.2	2.0	.9	1.1	.2	13.6	86.4	662
18&21	.1	.0	.0	.9	3.7	5.0	1.8	.3	.1	.4	12.4	87.6	676
TOT	4	0	0	25	137	173	42	22	29	7	439	2156	2595
PCT	.2	.0	.0	1.0	5.3	6.7	1.6	.8	1.1	.3	16.9	83.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.2	.0	.5	12.9	86.5	598
06&09	.0	.0	.2	.5	14.5	84.9	629
12&15	0	.0	.0	.3	13.3	86.4	640
18&21	.0	.0	.0	1.1	14.7	84.2	653
TOT	0	1	1	15	349	2154	2520
PCT	.0	*	*	.6	13.8	85.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.NM >4/8) BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.3	.5	1.7	21.1	77.3	553
06&09	.2	.2	1.4	20.0	78.5	629
12&15	.2	.2	1.6	12.5	85.9	640
18&21	.2	.2	2.0	11.8	86.2	653
TOT	5	6	42	409	2069	2520
PCT	.2	.2	1.7	16.2	82.1	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	0	.0	.0	.0	.1	.0	.0	.0	3	.1
90/94	0	.0	.0	.1	.7	.3	.1	*	32	1.3
85/89	0	.0	.0	*	1.3	3.8	1.6	.3	172	6.9
80/84	0	0	.0	.0	1.4	16.7	27.1	8.4	1328	53.6
75/79	.0	.0	.0	.0	*	6.8	17.6	12.5	914	36.9
70/74	0	.0	.0	.0	.0	*	.3	.9	30	1.2
TOTAL	0	0	0	4	87	682	1158	548	2479	100.0
PCT	0	.0	.0	2	3.5	27.5	46.7	22.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	*	*	.0	*	.0	.0	.0	.0	.0
.0	.2	.6	.2	.2	.1	.1	.1	.0	.0
.1	1.6	2.4	1.1	.9	.5	.2	*	.0	.2
1.6	13.2	22.0	7.1	4.9	2.6	.7	.6	.0	1.1
1.8	14.8	16.2	2.2	1.0	.1	.1	.4	*	.2
*	.3	.8	.0	.0	.0	.0	.0	.0	.0
3.4	30.1	42.1	10.5	6.9	3.2	1.1	1.1	*	1.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	93	86	84	80	75	73	70	80.0	934
06&09	95	92	88	82	77	75	70	82.2	1161
12&15	89	87	84	80	76	73	70	80.2	978
18&21	89	84	83	79	75	72	70	79.2	1168
TOT	95	90	86	80	76	73	70	80.4	4241

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	1.0	22.6	52.6	23.8	85	885
06&09	.0	.7	10.5	47.0	29.6	12.3	79	508
12&15	.0	.0	2.1	25.9	50.6	21.4	84	609
18&21	.0	.0	.6	15.6	53.0	30.1	86	630
TOT	0	4	87	685	1164	549	83	2489

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.1	*	3	.0	.1
11/13	.0	.0	.0	.2	.1	.2	.1	18	.0	.6
9/10	.0	.0	.1	.1	.2	.4	.1	30	.0	.9
7/8	.0	.0	.1	.6	.4	.4	*	48	*	1.5
6	.0	.0	.2	.2	.4	.2	*	34	.0	1.1
5	.0	.1	.2	1.2	1.3	.1	.0	96	.0	3.0
4	*	.1	.7	2.6	1.1	*	.0	147	.0	4.6
3	.0	.1	.9	1.7	.8	.0	.0	110	.0	3.4
2	.1	.4	3.5	5.5	.9	.0	.0	336	.1	10.4
1	.0	.3	3.9	4.0	.5	.0	.0	281	.0	8.7
0	.2	1.3	10.7	9.9	.5	.1	.0	727	.2	22.4
-1	.0	.8	4.8	5.7	.1	.0	.0	371	.0	11.5
-2	.2	1.3	7.9	5.6	.1	.0	.0	485	.1	14.9
-3	.0	.3	3.6	2.0	*	.0	.0	193	.0	6.0
-4	.1	1.0	3.1	1.1	.0	.0	.0	171	*	5.3
-5	.0	.8	1.6	.8	.0	.0	.0	102	.0	3.2
-6	.0	.4	.6	.2	.0	.0	.0	39	.0	1.2
-7/-8	.1	.2	.3	.1	.0	.0	.0	21	.0	.7
-9/-10	*	.1	.1	*	.0	.0	.0	7	.0	.2
-11/-13	.0	.0	*	.0	.0	.0	.0	1	.0	*
TOTAL								3220		
PCT	.7	7.2	42.3	41.7	6.4	1.4	.2	100.0	.4	99.6

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TABLE 18

AREA 0004 SAIGON 9.5N 107.5E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.3
1-2	.2	.7	.2	.0	.0	.0	1.1
3-4	.0	.1	.5	.2	.0	.0	.9
5-6	.0	.0	.4	*	.0	.0	.4
7	.0	.0	.1	*	.0	.0	.1
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.1	.0	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.9	1.2	.5	.0	.0	3.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.2	*	.0	.0	.0	1.7
1-2	.1	5.1	4.9	.0	.0	.0	10.1
3-4	.1	1.5	7.9	1.2	.0	.0	10.7
5-6	.0	.3	3.1	1.0	.1	.0	4.5
7	.0	.0	1.3	1.3	.0	.0	2.7
8-9	.0	.0	.2	1.2	.0	.0	1.5
10-11	.0	.0	*	.3	.1	.0	.4
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.1	.2	.1	.0	.4
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	*	.0	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	8.1	17.6	5.4	.2	.0	32.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	4.2	.2	.0	.0	.0	5.1
1-2	.2	10.4	9.7	.0	.0	.0	20.3
3-4	.0	1.5	7.5	1.7	.0	.0	10.7
5-6	.0	.0	2.1	.6	.0	.0	2.7
7	.0	.0	.6	.6	.0	.0	1.2
8-9	.0	.0	.3	.6	.0	.0	.9
10-11	.0	.0	.1	.3	.0	.0	.4
12	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	16.1	20.6	3.8	.0	.0	41.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.7	.1	.0	.0	.0	3.4
1-2	.4	3.7	1.7	.0	.0	.0	5.8
3-4	.0	.1	.5	.0	.0	.0	.6
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	.0	*	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.1	.0	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	6.6	2.3	*	.0	.0	9.9

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TABLE 18

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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.2	.0	.0	.0	.0	1.3
1-2	.1	3.6	1.0	.0	.0	.0	4.6
3-4	.0	.6	.5	.0	.0	.0	1.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8 9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	5.4	1.4	.0	.0	.0	7.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.3	.0	.0	.0	.0	.5
1-2	.0	1.6	.9	.0	.0	.0	2.5
3-4	.0	.3	.2	*	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8 9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.2	1.1	*	.0	.0	3.4

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.1
1-2	.1	.5	.2	.0	.0	.0	.8
3-4	.0	.0	.1	*	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8 9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.6	.3	*	.0	.0	1.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.0	.0	.0	.0	.5
1-2	.0	.2	.1	.0	.0	.0	.3
3-4	.0	.0	.2	*	.0	.0	.3
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	.0	.0	.0	.0	.0
8 9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.4	.4	*	.0	.0	1.0

PERIOD: (OVER-ALL) 1963-1971

AREA 0004 SAIGON
9.5N 107.5E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.3	10.1	.3	.0	.0	.0	14.6	
1-2	1.0	25.5	18.5	.0	.0	.0	45.1	
3-4	.1	4.1	17.3	3.1	.0	.0	24.6	
5-6	.0	.3	5.6	1.7	.1	.0	7.6	
7	.0	.0	2.0	2.0	.0	.0	4.0	
8-9	.0	.0	.6	1.9	.0	.0	2.5	
10-11	.0	.1	.1	.6	.1	.0	.8	
12	.0	.0	.1	.1	.0	.0	.2	
13-16	.0	.0	.1	.2	.1	.0	.4	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.1	.0	.0	.1	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1750
TOT PCT	5.4	40.1	44.5	9.8	.2	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.2	36.1	13.4	4.0	2.1	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1349	3
6-7	.0	1.0	3.8	4.0	3.4	1.0	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	285	5
8-9	.0	.4	1.1	.6	.9	1.1	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100	6
10-11	.0	.0	.2	.4	.2	.2	.1	.0	.2	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	29	8
12-13	.0	0	.0	.1	.0	*	*	.0	*	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	8
>13	0	.0	.0	*	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	3	15
INDET	7.7	3.3	1.4	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	270	1
TOTAL	243	835	508	195	139	60	29	12	18	0	3	0	0	0	0	0	0	0	0	2042	3
PCT	11.9	40.9	24.9	9.5	6.8	2.9	1.4	.6	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1857-1971

AREA 0004 SAIGON
9.3N 107.3E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	PRECIPITATION TYPE DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	*	*	.0	.0	.0	.0	.0	.1		*	.0	.0		.0	2.4	
NE	*	.1	.0	.0	.0	.0	.0	.1		.1	*	.2		.0	19.3	
E	.1	.2	.0	.0	.0	.0	.0	.2		.4	*	.3		*	38.2	
SE	.1	*	1	.0	.0	.0	.0	.2		.2	.0	.1		.0	16.5	
S	.1	.0	*	.0	.0	.0	.0	.1		.1	.0	.1		.0	11.0	
SW	*	.0	.0	.0	.0	.0	.0	*		.1	.0	*		.0	5.8	
W	.0	*	.0	.0	.0	0	.0	*		.0	.0	.0		.0	1.2	
NW	*	*	.0	.0	.0	.0	.0	.1		.0	.0	*		.0	.9	
VAR	.0	.0	.0	0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0		*	*	.0		.0	2.1	
TOT OBS	11	11	4	0	0	0	0		26	31	3	23		1	3336	3420
TOT PCT	.3	.3	.1	.0	.0	.0	.0	.8		.9	.1	.7		*	97.5	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	PRECIPITATION TYPE DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	.5	.5	.0	.0	.0	.0	.0	1.0		.0	.0	.6		.0	98.4	
06&09	.3	.1	.0	.0	0	.0	.0	.5		.2	.1	.9		.0	98.3	
12&15	.1	.1	.0	.0	.0	.0	.0	.2		1.5	.1	1.1		.1	96.9	
18&21	.3	.6	.4	.0	.0	.0	.0	1.3		1.8	.1	.1		.0	96.7	
TOT	11	11	4	0	0	0	0		26	31	3	23		1	3356	3440
PCT	.3	.3	.1	.0	.0	.0	.0	.8		.9	.1	.7		*	97.6	

APRIL

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1857-1971

TABLE 3

AREA 0004 SAIGON
9.3N 107.3E

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD
N	.4	1.2	1.0	.4	*	.0		3.0	11.7
NE	1.0	8.8	9.5	1.5	.1	.0		21.0	12.1
E	2.0	16.2	14.8	1.3	*	.0		36.4	10.9
SE	1.7	11.8	3.2	.1	.0	.0		16.7	7.9
S	1.7	8.4	1.3	.0	.0	.0		11.4	6.8
SW	.8	4.4	.9	*	.0	.0		6.1	7.2
W	.3	.8	.2	.0	.0	.0		1.3	6.6
NW	.2	.6	.2	.0	.0	.0		1.0	8.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0
CALM	3.3							3.3	.0
TOT OBS	478	2288	1313	141	7	0	4227		9.5
TOT PCT	11.3	54.1	31.1	3.3	.2	.0		100.0	

HOUR (GMT) 00	03	06	09	12	15	18	21
3.3	5.2	4.0	4.6	1.9	1.2	2.2	2.1
23.1	23.4	23.7	23.2	19.2	15.7	17.7	20.7
37.0	31.9	36.3	25.8	40.1	37.8	40.2	28.0
15.7	15.8	14.4	18.9	18.4	19.1	16.3	19.3
9.1	9.1	10.0	16.5	11.6	12.4	12.6	12.4
4.6	8.7	5.6	7.1	5.0	8.7	5.8	10.0
1.5	1.4	1.5	.4	1.1	1.0	1.2	1.4
2.2	.8	.8	.2	.4	.7	1.1	.9
.0	.0	.0	.0	.0	.0	.0	.0
3.5	3.8	3.6	3.3	2.2	3.4	2.9	5.1
742	184	883	299	766	207	830	316
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD
N	.8	1.3	.7	.1	.0		3.0	11.7
NE	3.7	12.7	4.1	.3	.0		21.0	12.1
E	7.3	24.2	4.7	.2	.0		36.4	10.9
SE	6.9	9.1	.6	.0	.0		16.7	7.9
S	6.2	4.9	.2	.0	.0		11.4	6.8
SW	3.2	2.8	.1	.0	.0		6.1	7.2
W	.7	.5	*	.0	.0		1.3	6.6
NW	.4	.5	.1	.0	.0		1.0	8.2
VAR	.0	.0	0	.0	.0		.0	.0
CALM	3.3						3.3	.0
TOT OBS	1379	2374	446	28	0	4227		9.5
TOT PCT	32.6	56.2	10.6	.7	.0		100.0	

HOUR (GMT) 00 03	06 09	12 15	18 21
3.6	4.2	1.8	2.1
23.2	23.6	18.5	18.5
36.0	33.6	39.6	36.8
15.7	15.5	18.5	17.1
9.1	11.7	11.7	12.5
5.4	6.0	5.8	7.0
1.5	1.2	1.1	1.3
1.9	.7	.5	1.0
.0	.0	.0	.0
3.6	3.6	2.5	3.5
926	1182	973	146
100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1857-1971

AREA 0004 SAIGON
9.3N 107.3E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.6	7.6	51.5	34.7	2.7	.0	.0	9.6	100.0	926
06&09	3.6	9.4	52.4	30.6	3.8	.3	.0	9.5	100.0	1182
12&15	2.5	6.4	55.9	31.8	3.2	.3	.0	9.8	100.0	973
18&21	3.5	8.4	56.5	28.0	3.5	.1	.0	9.3	100.0	1146
TOT	139	339	2208	1313	141	7	0	9.5		4227
PCT	3.3	8.0	54.1	31.1	3.3	.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	4	.7	.7	.4		4.5
NE	6 5	6 4	5.8	.7		3.7
E	14 5	13 5	13 2	1.0		3.6
SE	7 1	5 2	4.1	6		3.4
S	4 8	3 3	1.9	.1		3.0
SW	2.5	1 3	.8	.1		2.9
W	4	4	5	.1		4.1
NW	3	2	.5	.1		4.7
VAR	0	0	0	.0		.0
CALM	1 0	5	.3	*		2.5
TOT OBS	967	815	719	81	2582	3.5
TOT PCT	37.5	31 6	27.8	3.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM) 4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
.0	*	.0	.0	.5	.3	.0	.0	*	.0	1.4	
.0	*	*	.3	1.5	1.3	.2	.3	*	*	15.9	
.0	.0	*	.2	2.6	3.3	.6	.4	.1	*	34.9	
*	.0	.0	.1	.9	.9	.3	.1	.0	.0	14.8	
.0	.0	*	*	.4	.5	.1	.1	.0	.0	9.1	
*	.0	.0	*	.1	.1	*	.0	*	.1	4.3	
.0	.0	*	.0	.2	.1	.1	.0	.0	.0	.8	
.0	.0	.0	.1	.2	.2	*	.0	.0	.0	.6	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.1	.0	*	.0	.0	.0	.0	1.8	
2	1	4	21	162	172	33	20	5	4	2158	2582
.1	*	.2	.8	6.3	6.7	1.3	.9	.2	.2	83.6	100.0

APRIL

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1857-1971

AREA 0004 SAIGON
9.3N 107.3E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (MM >4/8) AND VSBY (MM)

CEILING (FEET)	VSBY (MM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.3	.3	.3	.3	.3	.3	.3	.3
= OR >5000	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
= OR >3500	2.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4
= OR >2000	7.7	9.0	9.0	9.0	9.0	9.0	9.0	9.0
= OR >1000	13.1	15.2	15.3	15.3	15.3	15.3	15.3	15.3
= OR >600	13.6	15.9	16.0	16.1	16.1	16.1	16.1	16.1
= OR >300	13.8	16.1	16.2	16.2	16.2	16.2	16.2	16.2
= OR >150	13.8	16.1	16.2	16.2	16.2	16.3	16.3	16.3
= OR > 0	13.8	16.1	16.3	16.3	16.3	16.4	16.4	16.4
TOTAL	359	419	423	424	424	425	425	425

TOTAL NUMBER OF OBS: 2596

PCT FREQ MM <5/8: 83.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
5.9	14.3	32.2	19.1	12.2	6.6	5.9	1.8	1.9	*	2662

APRIL

PERIOD: (PRIMARY) 1935-1971
(SEC-ALL) 1857-1971

AREA 0004 SAIGON
9.3N 107.3E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
	TOT %	*	*	.0	.0	.0	*	.0	.0	.0	.0	.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	*	
2<5	PCP	*	*	.1	*	.0	.0	.0	*	.0	.0	.2	
	NO PCP	*	.1	.0	.1	.1	*	.0	.0	.0	*	.4	
	TOT %	.1	.2	.1	.1	.1	*	.0	*	.0	*	.5	
5<10	PCP	.0	*	.1	.1	*	.0	*	*	.0	.0	.2	
	NO PCP	.4	2.7	3.7	2.7	1.6	.7	.1	.2	.0	.2	12.3	
	TOT %	.4	2.7	3.8	2.8	1.6	.7	.1	.2	.0	.2	12.5	
10+	PCP	.0	*	.1	.1	*	*	.0	*	.0	.0	.3	
	NO PCP	2.0	16.7	35.3	14.1	9.6	5.1	1.1	.8	.0	1.9	86.6	
	TOT %	2.0	16.7	35.5	14.1	9.6	5.2	1.1	.8	.0	1.9	86.9	
	TOT OBS												3420
	TOT PCT	2.5	19.6	39.3	17.0	11.3	5.9	1.2	1.0	.0	2.1	100.0	

APRIL

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1857-1971

AREA 0004 SAIGON
9.3N 107.3E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	*	*	.0	.0	.0	.1	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	.0	*	.0	.1	.0	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	*	.0	.0	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	*	.0	.0	*	.0	.0	.0	.0		.1	
	22+	*	*	.0	.0	.0	.0	.0	.0	.0		*	
	TOT %	*	*	.0	.0	*	.0	.0	.0	.0	.0	.1	
	0-3	*	*	.0	.0	.1	.0	.0	.0	.0	*	.1	
2<5	4-10	.0	.1	*	.1	.1	.1	.0	*	0		.4	
	11-21	*	.1	*	.0	.0	*	.0	.0	.0		.1	
	22+	*	*	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.1	.2	*	.1	.1	.1	.0	*	.0	*	.7	
	0-3	.1	.1	.1	.1	*	.1	*	.0	.0	.2	.7	
5<10	4-10	.1	.9	1.8	1.7	1.1	.4	.1	.1	.0		6.2	
	11-21	.1	1.5	1.6	.8	.3	.2	.0	*	.0		4.6	
	22+	.2	.5	.2	.0	.0	.0	.0	.0	.0		.9	
	TOT %	.5	3.0	3.6	2.6	1.5	.7	.1	.1	.0	.2	12.4	
	0-3	.2	.6	1.8	1.4	1.5	.8	.2	.1	.0	2.3	8.9	
10+	4-10	1.1	7.2	17.0	10.0	7 2	4.1	.7	.5	.0		47.8	
	11-21	.7	7.9	14.3	2.6	1.1	.5	.2	.2	.0		27.5	
	22+	.1	1.0	1.3	.1	.0	*	.0	.0	.0		2.5	
	TOT %	2.1	16.8	34.4	14.1	9.8	5.4	1.1	.8	.0	2.3	86.7	
	TOT OBS												3710
	TOT PCT	2.7	20.0	38.0	16.8	11.4	6.3	1.2	1.0	.0	2.5	100.0	

APRIL

PERIOD: (PRIMARY) 1935-1971
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.2	.0	.0	.5	7.4	8.5	2.0	.9	.0	.0	19.5	80.5	646
06&09	.0	.0	.3	.9	5.9	6.8	1.7	1.2	.6	.2	17.6	82.4	660
12&15	.0	.0	.2	1.1	5.3	6.1	.5	.6	.0	.3	14.0	86.0	641
18&21	.3	.1	.1	.7	5.8	4.7	.8	.3	.1	.1	13.1	86.9	708
TOT	3	1	4	21	162	172	33	20	5	4	425	2230	2655
PCT	.1	*	.2	.8	6.1	6.5	1.2	.8	.2	.2	16.0	84.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.2	.2	11.1	88.6	633
06&09	0	0	.0	.2	10.4	89.4	644
12&15	.0	.0	.0	.3	12.7	87.0	631
18&21	1	0	.0	.6	14.0	85.3	688
TOT	1	0	1	8	313	2273	2596
PCT	*	.0	*	.3	12.1	87.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.2	.2	.8	19.3	79.9	633
06&09	.0	.3	1.2	16.8	82.0	644
12&15	.0	.2	1.6	12.8	85.6	631
18&21	.3	.6	1.7	12.1	86.2	688
TOT	3	8	35	394	2167	2596
PCT	.1	.3	1.3	15.2	83.5	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.1	.2	.0	.0	.0	7	.3
90/94	.0	.0	.0	.2	2.1	1.1	.4	*	95	3.8
85/89	.0	.0	.0	.0	3.4	12.2	5.4	.9	540	21.9
80/84	.0	.0	.0	.1	1.4	21.5	36.2	11.6	1747	70.8
75/79	.0	.0	.0	.0	*	*	1.4	1.3	79	3.2
70/74	.0	.0	.0	.0	.0	.0	*	.0	1	*
TOTAL	0	0	0	10	176	868	1074	341	2469	100.0
PCT	.0	.0	.0	.4	7.1	35.2	43.5	13.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.1	.1	*	.1	.0	*	*	.0	.0
.1	.6	1.5	.7	.6	.2	.0	.0	.0	.1
.3	3.3	9.1	4.3	2.8	1.1	.4	.1	.0	.4
1.1	14.0	31.4	11.8	7.1	3.3	.5	.5	.0	1.2
.3	1.0	.9	.4	.3	.1	.1	.1	.0	.1
.0	*	.0	.0	.0	.0	.0	.0	.0	.0
1.8	19.0	43.0	17.2	10.9	4.7	1.0	.7	.0	1.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	94	90	87	83	79	77	73	82.8	927
06&09	96	93	91	85	81	78	73	85.1	1178
12&15	91	88	86	82	79	76	72	82.6	972
18&21	91	86	84	82	79	77	72	81.7	1140
TOT	96	91	88	83	79	77	72	83.1	4217

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	3.2	35.4	48.1	13.2	82	590
06&09	.0	1.4	20.5	46.2	24.8	7.0	76	628
12&15	.0	.0	3.8	35.5	46.3	14.4	82	605
18&21	.0	.2	1.1	24.7	54.1	19.9	84	663
TOT	0	10	178	870	1079	341	81	2486

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
11/13	.0	.0	.0	*	.0	.1	.2	12	.0	.4
9/10	.0	.0	.1	.0	.2	.5	.2	31	.0	1.0
7/8	.0	.0	*	.4	.5	.7	.4	64	.0	2.0
6	.0	.0	.0	.4	.6	.5	*	49	.0	1.5
5	.0	*	.1	1.0	.8	.7	*	85	.0	2.6
4	.0	.0	.2	2.0	2.0	.5	*	149	.0	4.6
3	.0	.0	.3	1.5	1.6	.2	.0	117	.0	3.6
2	.0	.1	.4	6.1	2.4	.2	.0	295	.0	9.2
1	.0	.0	.1	4.9	2.2	.1	*	236	.0	7.3
0	.0	*	1.8	15.6	3.0	.2	.0	662	*	20.5
-1	.0	.0	1.0	7.3	2.7	.0	.0	353	.0	11.0
-2	.1	.1	2.5	11.2	1.8	.0	.0	504	*	15.6
-3	.0	.0	1.3	7.0	.7	.0	.0	289	.0	9.0
-4	.0	.1	1.3	4.5	.2	.0	.0	197	.0	6.1
-5	.0	*	.7	2.2	.2	.0	.0	98	.0	3.0
-6	.0	*	.6	.8	*	.0	.0	48	.0	1.5
-7/-8	.0	.1	.2	.4	.0	.0	.0	23	*	.7
-9/-10	*	.1	.1	*	.0	.0	.0	9	.0	.3
TOTAL								3221		
PCT	.1	.5	10.5	65.4	18.8	3.7	.9	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

AREA 0004 SAIGON
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.1	.0	.0	.0	.0	.2
1-2	.0	.1	*	.0	.0	.0	.2
3-4	.0	.2	.3	.0	.0	.0	.4
5-6	.0	*	*	.1	.0	.0	.2
7	.0	.0	*	.1	.1	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	*	.0	.0	.0	.0	*
20-22	.0	.0	.0	*	.0	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	*	.6	.4	.2	.1	.0	1.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.6	.0	.0	.0	.0	2.0
1-2	.2	4.2	3.8	.0	.0	.0	8.2
3-4	.1	1.8	3.8	.4	.0	.0	6.1
5-6	.0	.2	1.3	.5	.0	.0	2.0
7	.0	.0	.6	.3	*	.0	.9
8-9	.0	.0	.2	.1	.0	.0	.3
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.1	.0	.1
20-22	.0	.0	.0	*	.0	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	7.8	9.7	1.3	.1	.0	19.6

C

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.2	5.8	.2	.0	.0	.0	7.2
1-2	.6	12.0	11.3	.0	.0	.0	23.9
3-4	*	2.6	8.4	.6	.0	.0	11.7
5-6	.0	.4	1.8	.6	.0	.0	2.7
7	.0	.2	.6	.2	*	.0	1.0
8-9	.0	.0	.1	*	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.1	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.8	21.0	22.2	1.5	*	.0	46.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	3.8	.1	0	.0	.0	4.2
1-2	.3	6.3	3.0	.0	.0	.0	9.6
3-4	*	.6	1.0	.1	.0	.0	1.7
5-6	.0	.0	.1	*	.0	.0	.1
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	10.8	4.1	.1	.0	.0	15.7

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TABLE 18

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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	3.0	.1	.0	.0	.0	3.5
1-2	.3	4.7	1.3	.0	.0	.0	6.3
3-4	.0	.1	.4	.0	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	7.8	1.7	.0	.0	.0	10.3

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.1	.0	.0	.0	.0	1.6
1-2	.1	1.9	.3	.0	.0	.0	2.3
3-4	.0	*	.1	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	3.0	.4	.0	.0	.0	4.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.4
1-2	.1	.1	.1	.0	.0	.0	.4
3-4	.0	.1	.0	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.5	.1	.0	.0	.0	.8

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.2
1-2	*	.1	.0	.0	.0	.0	.1
3-4	.0	.1	.1	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	*	.0	.0	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.4	.1	.0	.0	.0	.5

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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.3	15.6	.3	.0	.0	.0	21.2	
1-2	1.7	29.3	19.5	.0	.0	.0	50.5	
3-4	.1	5.4	13.9	1.1	.0	.0	20.6	
5-6	.0	.6	3.0	1.2	.0	.0	4.9	
7	.0	.2	1.2	.5	.1	.0	2.1	
8-9	.0	.0	.3	.1	.0	.0	.4	
10-11	.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.1	.0	.0	.1	.0	.1	
20-22	.0	.0	0	.1	.0	.0	.1	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1696
TOT PCT	7.1	51.2	38.4	3.1	.2	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	8.2	38.1	18.0	3.7	1.2	.1	.3	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1375	2
6-7	3	4 3	3.0	2.3	1.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	236	4
8-9	0	.4	2.0	.5	.5	.2	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	73	4
10-11	.0	.5	.3	.3	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	4
12-13	.1	.0	.3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	3
>13	0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
INDET	8.9	2.1	1.6	.5	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	261	1
TOTAL	344	896	497	143	62	14	13	0	4	2	1	0	0	0	0	0	0	0	0	1976	2
PCT	17.4	45.3	25.2	7.2	3.1	.7	.7	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1850-1971

AREA 0004 SAIGON
9.3N 107.3E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	*	*	*	.0	.0	.0	.0	.1		*	*	.0		.0	1.7	
NE	.1	.1	.1	.0	.0	.0	.0	.3		.2	.0	.0		.0	7.8	
E	.2	.1	.1	.0	.0	.0	.0	.4		.1	.0	*		.0	15.3	
SE	.1	.2	.0	.0	.0	.0	.0	.2		.2	*	*		.0	11.8	
S	.4	.2	*	.0	.0	.0	.0	.6		.8	.0	.0		.0	14.0	
SW	.7	.5	.1	.0	.0	.0	.0	1.3		1.1	*	*		.0	25.2	
W	.6	.3	.1	.0	.0	.0	.0	.9		.4	.0	*		.0	10.4	
NW	.2	.2	*	.0	.0	.0	.0	.5		.3	*	.0		.0	2.2	
VAR	.0	.0	*	.0	.0	.0	.0	*		*	.0	.0		.0	.2	
CALM	.1	*	.1	.0	.0	.0	.0	.2		.1	.0	.0		.0	4.1	
TOT OBS	86	59	19	0	0	0	0		163	112	3	4		0	3343	3618
TOT PCT	2.4	1.6	.5	.0	.0	.0	.0	4.5		3.1	.1	.1		.0	92.4	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	2.6	2.2	.?	.0	.0	.0	.0	5.5		.3	.1	.0		.0	94.3	
06&09	2.3	1.8	.5	.0	.0	.0	.0	4.6		.3	.1	.0		.0	94.9	
12&15	2.0	1.3	.3	.0	.0	.0	.0	3.6		4.7	.0	.3		.0	91.8	
18*21	2.6	1.2	.8	.0	.0	.0	.0	4.6		7.1	.1	.1		.0	88.4	
TOT	87	59	21	0	0	0	0		166	115	3	4		0	3361	3642
PCT	2.4	1.6	.6	.0	.0	.0	.0	4.6		3.2	.1	.1		.0	92.3	

MAY

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1856-1971

AREA 0004 SAIGON
9.3N 107.3E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	5	1.2	.2	.0	.0	.0		1.9	6.0	2.9	3.5	2.3	.7	1.3	1.0	1.8	1.3
NE	1.2	5.5	1 6	*	.0	.0		8.3	7.6	9.5	11.3	9.5	9.7	6.3	8.5	7.2	6.1
E	1.7	10.2	3.2	.1	.0	.0		15.2	8.0	13.1	15.5	15.7	16.5	14.3	19.6	15.6	14.8
SE	1 7	8.5	1.3	*	.0	.0		11.5	6.8	12.7	7.5	12.2	9.3	15.0	8.9	10.9	6.9
S	2 0	10.5	2.9	.1	.0	.0		15.5	7.7	13.1	12.6	14.4	16.2	18.9	16.1	16.9	13.4
SW	2.2	14.8	10.2	1.0	*	.0		28.2	10.2	25.1	29.5	25.1	34.6	28.6	33.5	26.8	34.4
W	.7	5.3	4.8	.5	*	.0		11.4	11.1	12.2	15.7	11.5	8.6	10.0	9.6	10.5	15.5
NW	5	1.6	.7	.1	*	.0		2.9	8.7	4.2	2.7	3.0	.9	1.7	2.0	3.7	3.0
VAR	*	.2	.0	.0	.0	.0		.2	3.7	.1	.0	.1	.0	.2	.0	.5	.0
CALM	5 0							5.0	.0								
TOT OBS	677	2540	1090	81	3	0	4391		8.3	7.0	1.7	6.2	3.4	3.7	.8	6.2	4.1
TOT PCT	15 4	57.8	24.8	1.8	.1	.0		100.0		740	230	894	350	815	236	788	338
										100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	1.3	.7	*	.0	.0		1.9	6 0	3.0	1.8	1.2	1.8
NE	3.9	4.1	.3	*	.0		8.3	7.6	9.9	9.5	6.8	6.9
E	6.4	8.3	.5	*	.0		15.2	8.0	13.7	15.9	15.5	15.3
SE	6.1	5.2	.1	.0	.0		11.5	6.8	11.5	11.4	13.6	9.7
S	6.9	7.9	.6	*	.0		15.5	7.7	13.0	14.9	18.2	15.8
SW	7.9	17.0	3.2	.2	.0		28.2	10.2	26.1	27.8	29.7	29.1
W	2.6	6.7	1.9	.1	.0		11.4	11.1	13.0	10.7	9.9	12.0
NW	1.2	1.4	.2	.1	.0		2.9	8.7	3.8	2.5	1.8	3.5
VAR	.2	.0	.0	.0	.0		.2	3.7	.1	.1	.2	.4
CALM	5.0						5.0	.0				
TOT OBS	1821	2250	301	19	0	4391		8.3	5.8	5.4	3.0	5.6
TOT PCT	41.5	51.2	6.9	.4	.0		100.0		970	1244	1051	1126
									100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1856-1971

AREA 0004 SAIGON
9.3N 107.3E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	5.8	9.8	58.7	23.1	2.4	.2	.0	8.3	100.0	969
03&09	5.4	11.0	55.1	27.1	1.3	.1	.0	8.4	100.0	1243
12&15	3.1	9.4	58.6	26.9	2.0	.0	.0	8.7	100.0	1049
18&21	5.6	11.3	59.2	22.0	1.9	.0	.0	8.0	100.0	1122
TOT	218	458	2533	1090	81	3	0	8.3		4383
PCT	5.0	10.5	57.9	24.9	1.9	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	4	4	1 0	.3		5.1
NE	1 2	2 1	3 6	.9		4.8
E	2 9	4 8	6 5	1.1		4.4
SE	2 4	3 7	5.7	1 0		4.6
S	3 5	4 1	6 4	1.9		4.6
SW	3.2	4 9	12 5	5.3		5 4
W	1 1	1 9	5 7	3.2		5.8
NW	5	3	1 4	1.1		5.9
VAR	0	1	.1	.1		6.0
CALM	.7	1 3	2.4	.7		5.0
TOT OBS	422	631	1200	419	2672	5.0
TOT PCT	15.8	23 6	44.9	15.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM >4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3999	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.1	.4	.2	.1	.1	.0	.0	1.2	
.0	.0	*	.2	.5	1.3	*	.2	*	.0	5.4	
.0	.0	.0	.2	1.7	1.9	.1	.1	.1	.0	11.2	
.1	*	.1	.1	1.2	1.4	.1	.1	.1	.0	9.5	
.0	*	.1	.3	1.2	2.1	.1	.1	.2	*	11.7	
.1	*	.1	.3	3.9	4.3	.4	*	.2	.2	15.8	
.0	.1	.4	.8	2.2	1.8	.1	.1	.2	.2	6.1	
*	.0	*	.1	.6	.8	.0	*	.0	*	1.7	
.0	.0	.0	*	.0	.0	*	.0	.0	*	.1	
.0	.0	.1	.1	.5	.4	.1	*	.1	*	3.7	
5	5	22	74	325	377	29	19	26	14	1776	2672
.2	.2	.8	2.8	12.2	14.1	1.1	.7	1.0	.5	66.5	100.0

MAY

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1856-1971

AREA 0004 SAIGON
9.3N 107.3E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5
= OR >5000	1.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2
= OR >3500	2.8	3.3	3.3	3.3	3.3	3.3	3.3	3.3
= OR >2000	14.0	17.1	17.3	17.3	17.3	17.3	17.3	17.3
= OR >1000	23.0	28.8	29.3	29.3	29.3	[illegible]	29.3	29.4
= OR >600	24.9	31.3	32.0	32.1	32.1	32.1	32.1	32.2
= OR >300	25.3	32.0	32.8	32.8	32.9	32.9	32.9	33.0
= OR >150	25.4	32.1	32.9	33.0	33.1	33.1	33.1	33.2
= OR > 0	25.4	32.2	33.0	33.1	33.2	33.2	33.3	33.4
TOTAL	681	862	885	888	890	891	893	894

TOTAL NUMBER OF OBS: 2680

PCT FREQ NH <5/8: 66.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
1.3	9.6	25.7	17.1	12.9	8.6	12.8	4.6	7.2	.1	2768

MAY

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1856-1971

AREA 0004 SAIGON
9.3N 107.3E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	.0	*	*	*	*	*	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	*	*	.0	.0	.0	.1	
	TOT %	*	*	.0	*	*	.1	*	*	.0	.0	.2	
1/2<1	PCP	.0	*	.0	*	.0	.0	.0	*	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	
	TOT %	.0	*	.0	*	.1	.0	.0	*	.0	.0	.1	
1<2	PCP	.0	*	*	*	.0	.0	.0	.1	.0	0	.1	
	NO PCP	.0	.0	*	*	.0	.0	.0	.0	.0	.0	*	
	TOT %	.0	*	*	*	.0	0	.0	.1	.0	.0	.2	
2<5	PCP	.0	*	*	.0	*	.2	.3	.1	.0	.0	.7	
	NO PCP	.0	*	*	*	.1	.2	.1	*	.0	.0	.5	
	TOT %	.0	.1	*	*	.2	.4	.5	.1	.0	.0	1.2	
5<10	PCP	.0	.1	.1	*	.3	.8	.3	<	.0	.1	1.9	
	NO PCP	.2	.9	2.1	1.3	1.9	5.1	2.3	.4	.0	.4	14.5	
	TOT %	.2	1.0	2.2	1.3	2.2	5.9	2.6	.6	.0	.4	16.4	
10+	PCP	1	.1	.3	1	.2	?	.2	.1	*	.1	1.5	
	NO PCP	1.6	7.0	13.3	10.6	12.6	21.0	8.3	2.0	.2	3.8	80.3	
	TOT %	1.7	7.1	13 5	10.7	12.8	21.3	8.5	2.1	.2	3.8	81.9	
	TOT OBS												3617
	TOT PCT	1.9	8.2	15.8	12.1	15.3	27 6	11 6	2.9	.2	4.3	100.0	

MAY

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1856-1971

AREA 0004 SAIGON
9.3N 107.3E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.1	.1	.0	.0	.1	*	*	*	.0		.3	
	11-21	.0	.0	.0	*	*	*	*	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	*	.0	.0	.0		*	
	TOT %	1	.1	.0	*	.1	.1	.1	*	.0	.0	.5	
	0-3	0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
1/2 <1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	*	0	.0	.1	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	TOT %	.0	*	.0	*	.1	.0	.0	*	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1 <2	4-10	.0	*	*	*	.0	*	.1	.0	.0		.2	
	11-21	.0	.0	*	*	.0	*	*	.1	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	0	.0	.0		.0	
	TOT %	.0	*	*	.1	.0	.1	.1	.1	.0	.0	.3	
	0-3	.0	.0	.0	.0	*	*	*	.0	.0	.0	.1	
2 <5	4-10	*	.1	.2	.1	.1	.2	.1	.1	.0		1.0	
	11-21	.0	*	.0	.0	.1	.2	.4	.1	.0		.7	
	22+	.0	.0	.0	.0	.0	.1	*	.0	.0		.1	
	TOT %	*	.1	.2	.1	.2	.5	.5	.1	.0	.0	1.8	
	0-3	*	.1	.1	.2	.3	.6	*	*	.0	.5	1.8	
5 <10	4-10	.1	.6	1.5	1.0	1.3	2.4	1.1	.3	.0		8.4	
	11-21	*	.3	.5	.1	.5	2.3	1.2	.2	.0		4.9	
	22+	.0	*	*	.0	.1	.3	.2	.1	.0		.6	
	TOT %	.1	1.0	2.1	1.3	2.1	5.6	2.5	.6	.0	.5	15.7	
	0-3	.5	.9	1.3	1.4	1.4	1.5	.6	.4	*	4.0	12.1	
10+	4-10	1.0	4.8	9.0	7.7	9.0	11.7	3.9	1.1	.2		48.4	
	11-21	.2	1.3	2.8	1.2	2.3	7.8	3.6	.5	.0		19.7	
	22+	.0	*	.1	*	*	.8	.4	*	0		1.3	
	TOT %	1.7	7.0	13.2	10.3	12.8	21.8	8.5	2.1	2	4.0	81.6	
	TOT OBS												3891
	TOT PCT	2.0	8.3	15.5	11.7	15.3	26.0	11 7	2.9	.2	4.4	100.0	

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1856-1971

AREA 0004 SAIGON
9.3N 107.3E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.1	.3	.6	2.8	13.1	13.1	1.5	1.0	1.0	.4	34.1	65.9	678
06&09	.3	.1	1.3	3.4	11.0	15.7	.7	.3	1.1	.3	34.2	65.8	702
12&15	.1	.1	1.1	2.6	11.3	13.0	.9	.9	1.0	.4	31.4	68.6	701
18&21	.2	.2	.2	2.1	12.1	13.1	1.2	.6	.6	.9	31.1	68.9	662
TOT	5	5	22	75	325	377	29	19	26	14	897	1846	2743
PCT	2	.2	.8	2.7	11.8	13.7	1.1	.7	.9	.5	32.7	67.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	3	2	.0	1.2	12.5	85.9	658
06&09	.3	0	.0	1.3	13.2	85.2	687
12&15	.0	.1	.1	.9	17.9	81.0	689
18&21	0	.0	.3	.9	20.6	78.2	647
TOT	4	2	3	29	429	2214	2681
PCT	1	1	.1	1.1	16.0	82.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.2	1.4	4.7	30.4	64.9	658
06&09	.4	1.9	5.8	29.1	65.1	687
12&15	.1	1.5	4.9	27.1	67.9	689
18&21	.3	.6	3.6	28.7	67.7	647
TOT	7	36	128	773	1780	2681
PCT	.3	1.3	4.8	28.8	66.4	100.0

PERIOD. (PRIMARY) 1935-1971
(OVER-ALL) 1856-1971

AREA 0004 SAIGON
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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	0	.1	.5	.1	*	.0	20	.8
90/94	.0	.0	*	.1	2.6	1.7	.5	.3	136	5.2
85/89	.0	0	.0	*	2.8	19.2	12.3	2.1	954	36.5
80/84	.0	.0	.0	.0	.7	13.3	34.9	5.8	1430	54.7
75/79	.0	.0	.0	.0	.0	.0	.7	2.1	71	2.7
70/74	0	.0	.0	.0	.0	.0	.0	*	1	*
TOTAL	0	0	1	7	173	996	1265	270	2612	100.0
PCT	0	0	*	.3	6.6	34.3	48.4	10.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.1	*	.0	.2	.2	.1	*	.0	.1
	.1	.4	.8	.8	.8	1.3	.4	.1	.0	.3
	.6	2.5	5.5	5.0	7.0	9.4	3.8	.9	.1	1.6
	1.3	4.5	8.4	6.7	7.0	15.1	7.1	2.0	.2	2.8
	.4	.2	.1	*	.3	.8	.7	.4	.0	*
	*	.0	.0	.0	0	.0	.0	.0	.0	.0
	1.9	7.8	14.9	12.6	15.3	26.8	12.1	3.4	.3	4.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	98	91	88	84	80	77	75	84.0	972
06&09	99	95	92	85	81	79	74	85.7	1236
12&15	95	90	87	84	80	78	73	83.8	1056
18&21	93	87	86	83	80	76	73	83.1	1128
TOT	99	93	89	84	80	77	73	84.2	4392

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.2	3.0	32.6	53.1	11.3	82	639
06&09	.0	1.1	17.9	45.9	29.5	5.7	77	654
12&15	.0	.0	4.4	36.5	49.1	9.9	81	676
18&21	.0	.0	1.2	23.3	61.2	14.4	83	662
TOT	0	8	174	909	1269	271	81	2631

MAY

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1856-1971

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/16	.0	.0	.0	*	.0	*	2	.0	.1
11/13	.0	.0	*	.0	.0	.3	24	.0	.5
9/10	.0	.0	.0	*	.3	.3	20	.0	.6
7/8	.0	.0	*	.3	.7	.4	49	.0	1.4
6	.0	.0	*	.4	.4	.1	33	.0	1.0
5	.0	.0	.1	1.2	.8	.3	83	.0	2.4
4	.0	.0	1.2	1.9	.8	.1	140	.0	4.0
3	.0	.0	.5	1.7	.5	.1	99	*	2.8
2	.0	.1	3.9	4.1	.6	.0	300	.0	8.7
1	.0	.1	2.0	3.0	.4	.0	188	.0	5.4
0	.0	.4	9.8	7.0	.4	.0	608	.0	17.6
-1	.0	.1	4.4	4.3	.3	.0	315	.0	9.1
-2	*	.4	11.6	2.7	*	.0	512	*	14.8
-3	.0	.2	5.0	2.4	.0	.0	263	.0	7.6
-4	.1	.6	7.6	.8	.0	.0	314	.0	9.1
-5	.0	.4	3.8	1.4	.0	.0	194	*	5.6
-6	.0	.5	2.2	.3	.0	.0	105	.0	3.0
-7/-8	.1	1.0	2.6	.4	.0	.0	141	.0	4.1
-9/-10	.1	.5	.5	.0	.0	.0	39	.0	1.1
-11/-13	.1	.3	.2	.1	.0	.0	23	.0	.7
-14/-15	.1	.1	.0	.0	.0	.0	6	.0	.2
TOTAL							3458		
PCT	.5	4.7	55.4	32.1	5.4	1.6	100.0	.1	99.7

PERIOD: (OVER-ALL) 1963-1971

MAY

AREA 0004 SAIGON
9.3N 107.3E

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.5	.0	.0	.0	.0	.7
1-2	.2	.5	.2	.0	.0	.0	.9
3-4	.0	*	.1	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.0	.3	.0	.0	.0	1.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	2.5	.0	.0	.0	.0	3.4
1-2	.2	2.8	.7	.0	.0	.0	3.6
3-4	.1	.5	.6	*	.0	.0	1.2
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	5.7	1.4	*	.0	.0	8.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.3	3.4	.1	.0	.0	.0	4.8
1-2	.2	5.3	2.7	.0	.0	.0	8.3
3-4	.0	.7	.7	*	.0	.0	1.4
5-6	.0	0	*	.0	.0	.0	*
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	9.4	3.5	*	.0	.0	14.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	4.6	.0	.0	.0	.0	5.6
1-2	.4	4.4	.9	.0	.0	.0	5.8
3-4	.0	.7	*	.0	.0	.0	.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	9.7	.9	.0	.0	.0	12.1

MAY

PERIOD: (OVER-ALL) 1963-1971

TABLE 18

AREA 0004 SAIGON
9.3N 107.3E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	4.9	.1	.0	.0	.0	6.0
1-2	.4	5.7	1.5	.0	.0	.0	7.7
3-4	0	1.2	1.0	.0	.0	.0	2.2
5-6	0	.1	.3	.0	.0	.0	.3
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	11.8	3.0	.0	.0	.0	16.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.9	.1	0	.0	.0	3.7
1-2	.5	8.6	6.1	.0	.0	.0	15.2
3-4	.0	1.6	3.6	.5	.0	.0	5.7
5-6	.0	.1	1.1	.2	.0	.0	1.4
7	.0	.0	.5	.5	.0	.0	1.0
8-9	.0	.0	.1	.1	.0	.0	.2
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	13.2	11.6	1.3	.0	.0	27.3

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.4	*	.0	.0	.0	1.7
1-2	.4	2.6	2.3	.0	.0	.0	5.3
3-4	0	.9	2.4	.3	.0	.0	3.5
5-6	.0	.1	1.1	.1	.0	.0	1.3
7	.0	0	.3	.2	.0	.0	.5
8-9	0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	0	.0	.0	.0	.0	.0	.0
20-22	0	0	.0	.0	.0	.0	.0
23-25	0	.0	.0	.0	.0	.0	.0
26-32	0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	0	0	.0	.0	.0	.0	.0
71-86	.0	0	.0	.0	.0	.0	.0
87+	.0	.0	0	.0	.0	.0	0
TOT PCT	.7	5.0	6.1	.7	.0	.0	12.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.8	.0	.0	.0	.0	1.2
1-2	.1	.9	.5	.0	.0	.0	1.5
3-4	.0	.1	.2	*	.0	.0	.4
5-6	.0	.1	.0	.1	.0	.0	.1
7	.0	.0	.0	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	1.9	.8	.1	.0	.0	3.3

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	11.1	21.0	.3	.0	.0	.0	32.3	
1-2	2.6	30.3	14.7	.0	.0	.0	47.6	
3-4	.1	5.6	8.5	.8	.0	.0	15.0	
5-6	.0	.3	2.6	.4	.0	.0	3.3	
7	.0	.0	.8	.8	.0	.0	1.5	
8-9	.0	.0	.1	.2	.0	.0	.3	
10-11	.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1852
TOT PCT	13.8	57.1	27.1	2.1	.0	.0	100.0	

PERIOD (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	10.6	42.4	15.4	1.9	1.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1514	2
6-7	1	2.4	2.2	1.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	153	4
8-9	0	.3	.5	.4	.3	.4	.1	*	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	44	5
10-11	0	*	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	5
12-13	0	0	.1	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
>13	0	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	14.8	2.4	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	389	0
TOTAL	541	1909	412	100	41	16	2	1	0	0	0	0	0	0	0	0	0	0	0	2122	2
PCT	25.5	47.5	19.4	4.7	1.9	.8	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1857-1971

AREA 0004 SAIGON
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TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG WO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.0	*	.1	.0	.0	.0	.0	.1		*	.0	.0		.0	1.1	
NE	*	.1	.0	.0	.0	.0	.0	.1		*	.0	.0		.0	1.0	
E	*	.0	*	.0	.0	.0	.0	.1		*	.0	.0		.0	1.7	
SE	*	.1	.0	.0	.0	.0	.0	.1		.1	*	.0		.0	3.2	
S	.1	.3	*	.0	.0	.0	.0	.4		.3	.0	*		.0	10.1	
SW	1.1	.5	.3	.0	.0	.0	.0	1.9		1.4	.0	.1		.0	41.2	
W	1.5	.9	.3	.0	.0	.0	.0	2.7		.9	.0	.1		.0	26.4	
NW	.3	.2	.1	.0	.0	.0	.0	.6		.1	.0	.0		.0	4.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	*	
CALM	.2	.0	*	.0	.0	.0	.0	.2		.1	.0	*		*	2.2	
TOT OBS	117	75	30	0	0	0	0		218	104	1	8		1	3257	3579
TOT PCT	3.3	2.1	.8	.0	.0	.0	.0	6.1		2.9	*	.2		*	91.0	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG WO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	2.6	1.4	.6	.0	.0	.0	.0	4.6		.5	.1	.1		.0	95.0	
06&09	3.2	2.0	1.0	.0	.0	.0	.0	5.9		.2	.0	.2		.0	93.8	
12&15	3.5	3.1	1.1	.0	.0	.0	.0	7.7		5.8	.0	.1		.1	86.5	
18&21	3.8	1.9	.8	.0	.0	.0	.0	6.3		5.1	.0	.4		.0	88.6	
TOT	118	76	31	0	0	0	0		221	105	1	8		1	3267	3593
PCT	3.3	2.1	.9	.0	.0	.0	.0	6.2		2.9	*	.2		*	90.9	

JUNE

PERIOD (PRIMARY) 1935-1971
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TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	3	7	.3	*	.0	.0		1.3	7.8	2.4	.5	1.1	1.2	.7	1.2	1.7	1.0
NE	2	9	.2	*	.0	0		1.3	7.4	1.5	.7	1.6	1.2	1.3	1.4	1.0	.3
E	4	1 1	.2	.0	.0	.0		1.8	6.5	2.0	1.2	1.8	1.9	2.2	.5	1.3	2.5
SE	4	2 5	.4	0	.0	.0		3.3	6.8	2.5	5.3	3.4	3.4	3.9	5.0	2.9	2.2
S	1 1	7 6	2.2	.2	.0	.0		11.1	8.5	10.0	8.1	10.9	13.9	12.8	11.1	10.6	10.6
SW	1 1	20 5	21.3	2 1	2	.0		45.1	11.7	36.7	48.9	44.9	50.2	48.3	49.3	44.1	48.8
W	9	11.7	14.1	2.1	*	.0		28.8	12.4	35.1	31.2	30.0	24.1	24.8	27.3	28.3	27.2
NW	3	2.3	1.8	3	.0	.0		4.6	10.6	6.9	3.1	3.7	2.3	4.3	3.0	6.3	3.5
VAR	0	*	.0	.0	0	.0		*	4.0	.0	.0	.1	.0	.0	.0	.0	.0
CALM	2 6							2.6	.0	2.9	1.0	2.5	1.8	1.7	1.4	3.9	3.8
TOT OBS	311	2028	1731	199	9	0	4278		10.8	718	207	876	341	804	217	800	315
TOT PCT	7 3	47.4	40.5	4.7	.2	0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	.7	.4	.1	*	.0		1.3	7.8	1.9	1.2	.8	1.5
NE	.7	.5	.1	.0	.0		1.3	7.4	1.3	1.5	1.3	.8
E	1.0	.7	*	.0	.0		1.8	6.5	1.8	1.8	1.8	1.7
SE	1.9	1.3	.1	.0	.0		3.3	6.8	3.2	3.4	4.1	2.7
S	4.2	6.2	.7	*	.0		11.1	8.5	9.6	11.7	12.4	10.6
SW	7.7	29.3	7.7	.4	.0		45.1	11.7	39.4	46.4	48.5	45.4
W	4.4	17.6	6.5	.4	.0		28.8	12.4	34.2	28.3	25.3	28.0
NW	1 3	2.7	.6	.1	.0		4.6	10.6	6.1	3.3	4.0	5.5
VAR	*	.0	.0	.0	.0		*	4.0	.0	.1	.0	.0
CALM	2.6						2.6	.0	2.5	2.3	1.7	3.9
TOT OBS	1051	2512	677	38	0	4278		10.8	925	1217	1021	1115
TOT PCT	24.6	58.7	15.8	.9	.0		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1957-1971

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.5	6.2	47.5	39.7	4.0	.2	.0	10.5	100.0	925
06&09	2.3	5.2	43.4	43.2	5.8	.1	.0	11.2	100.0	1216
12&15	1.7	3.4	46.0	43.6	5.0	.3	.0	11.4	100.0	1021
18&21	3.9	4.0	52.9	35.3	3.6	.3	.0	10.3	100.0	1115
TOT	111	200	2027	1731	199	9	0	10.8		4277
PCT	2.6	4.7	47 4	40.5	4.7	.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.2	2	.6	.3		5.3
NE	.2	.4	.7	.2		5.0
E	.7	.5	.7	.2		4.0
SE	6	1.4	1.3	.3		4.4
S	2.8	2.9	4.4	1.3		4.5
SW	7 3	9.5	18.8	7.8		5.0
W	3.9	5.0	12 7	7.6		5.5
NW	5	.8	2.5	1.5		5.8
VAR	.0	*	.0	.0		4.9
CALM	.4	9	.7	.2		4.2
TOT OBS	438	566	1119	511	2634	5.1
TOT PCT	16.6	21 5	42.5	19.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH) AND OCCURRENCE OF MH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.1	.3	.1	.0	.0	.0	.1	.7	
.0	.0	.0	.1	.4	.2	*	.0	*	*	.7	
.0	.0	*	.0	.4	.3	*	.0	.0	.0	1.4	
.0	.0	.1	*	.2	.3	.1	.0	.0	*	2.9	
*	.0	.1	.2	1.2	1.4	.2	*	.0	.1	8.2	
.1	.1	.2	2.0	5.4	5.1	.9	.3	.4	.4	28.5	
.1	.0	.4	1.3	5.6	4.6	.4	.1	.2	.2	16.4	
*	.0	*	.1	.9	1.2	.1	.0	.2	.0	2.6	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	
.0	.0	*	*	.2	.1	.0	.0	.0	.0	1.9	
6	2	24	107	382	347	47	11	21	21	1666	2634
.2	.1	.9	4.1	14.5	13.2	1.8	.4	.8	.8	63.2	100.0

JUNE

PERIOD: (PRIMARY) 1935-1971
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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6
= OR >5000	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
= OR >3500	3.4	3.8	3.8	3.8	3.8	3.8	3.8	3.8
= OR >2000	14.7	16.9	16.9	16.9	16.9	16.9	16.9	16.9
= OR >1000	25.1	30.8	31.1	31.3	31.3	31.4	31.4	31.4
= OR >600	27.9	34.4	35.0	35.2	35.3	35.4	35.4	35.4
= OR >300	28.3	35.1	35.8	36.0	36.2	36.2	36.3	36.3
= OR >150	28.3	35.1	35.8	36.1	36.2	36.3	36.4	36.4
= OR > 0	28.4	35.2	36.1	36.3	36.5	36.5	36.6	36.6
TOTAL	750	930	952	958	962	963	967	967

TOTAL NUMBER OF OBS: 2639

PCT FREQ NH <5/8: 63.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.6	12.6	22.6	14.5	9.9	8.5	12.5	5.5	10.3	.1	2729

JUNE

PERIOD: (PRIMARY) 1935-1971
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	*	*	.0	*	*	*	*	.0	.0	.1	
<1/2	NO PCP	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
	TOT %	.0	*	*	.0	*	.1	*	*	.0	.0	.2	
	PCP	.0	.0	*	.0	.0	*	.1	.0	.0	.0	.1	
1/2<1	NO PCP	.0	.0	.0	.0	.0	*	*	.0	.0	.0	.1	
	TOT %	.0	.0	*	.0	.0	*	.1	.0	.0	.0	.2	
	PCP	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.3	
1<2	NO PCP	.0	.0	.0	.0	.0	.1	*	*	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.1	.2	.2	*	.0	.0	.4	
	PCP	.0	.0	.0	.0	.1	.3	.3	.1	.0	.0	.8	
2<5	NO PCP	.0	0	.0	.0	*	.3	.2	.1	.0	.0	.6	
	TOT %	.0	.0	0	.0	.1	.6	.5	.2	.0	.0	1.5	
	PCP	*	.1	*	.1	.1	.7	1.3	.3	.0	.2	2.8	
5<10	NO PCP	.1	.2	.3	.5	1.7	4.8	3.5	.4	.0	.8	12.2	
	TOT %	.2	.2	.3	.6	1.9	5.5	4.8	.7	.0	.9	15.0	
	PCP	.1	.0	.0	*	.1	.7	.9	.2	.0	*	2.0	
10+	NO PCP	1.0	.9	1.5	2.9	8.6	37.1	23.4	3.7	*	1.6	80.9	
	TOT %	1.0	.9	1.5	2.9	8.7	38.1	24.3	3.9	*	1.6	82.9	
	TOT OBS												3578
	TOT PCT	1.2	1.1	1.8	3.5	10.8	44.5	29.8	4.8	*	2.5	100.0	

PERIOD: (PRIMARY) 1935-1971
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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	*	*	.0	.0	.0	*	.0	.0		.1	
	11-21	.0	.0	.0	.0	*	.1	*	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	TOT %	.0	*	*	.0	*	.1	.1	*	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	*	.0	*	*	*	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	*	*	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	*	*	.0	.0		.1	
	TOT %	.0	.0	*	.0	*	.1	.1	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	0	.0	.0	.1	*	*	*	.0		.2	
	11-21	.0	.0	.0	.0	.0	.1	.2	*	.0		.3	
	22+	.0	.0	.0	.0	.0	*	*	.0	.0		.1	
	TOT %	0	.0	.0	0	.1	.2	.2	.1	.0	.0	.5	
	0-3	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	.1	.3	.2	.1	.0		.7	
	11-21	.0	.0	.0	.0	*	.5	.5	*	.0		1.0	
	22+	.0	0	.0	.0	.0	.1	.1	.1	.0		.2	
	TOT %	.0	.0	.0	.0	.1	.9	.8	.2	.0	.0	1.9	
	0-3	*	*	.1	.1	.2	.2	.1	*	.0	.9	1.6	
5<10	4-10	.1	.2	.2	.4	1.2	2.1	1.4	.2	.0		5.9	
	11-21	*	.0	*	.1	.4	2.8	2.6	.3	.0		6.1	
	22+	.0	.0	.0	.0	*	.3	.5	.1	.0		.9	
	TOT %	.2	2	.3	.6	1.8	5.4	4.6	.7	.0	.9	14.5	
	0-3	.2	.1	.3	.4	.8	1.0	.8	.2	.0	1.7	5.5	
10+	4-10	.5	.6	.9	2.2	6.1	18.4	10.5	2.0	*		41.3	
	11-21	.2	.1	.2	.2	1.7	17.8	11.1	1.4	.0		32.7	
	22+	*	*	.0	.0	.1	1.4	1.4	.1	.0		3.1	
	TOT %	1.0	.9	1.4	2.8	8.7	38.6	23.8	3.8	*	1.7	82.7	
	TOT OBS												3858
	TOT PCT	1.1	1.1	1.7	3.4	10.7	45.1	29.5	4.8	*	2.6	100.0	

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PERIOD: (PRIMARY) 1935-1971
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.8	4.8	14.8	12.2	1.9	.5	1.2	.5	36.7	63.3	641
06&09	.3	.1	.7	3.4	14.9	12.0	2.2	.1	.6	.7	35.0	65.0	725
12&15	.1	.0	1.5	4.2	14.8	14.1	1.6	.4	.6	1.0	38.5	61.5	668
18&21	.5	.2	.6	3.5	12.1	13.4	1.2	.6	.8	.9	33.7	66.3	659
TOT	6	2	24	107	382	347	47	11	21	21	968	1725	2693
PCT	.2	.1	.9	4.0	14.2	12.9	1.7	.4	.8	.8	35.9	64.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.3	1.0	9.6	89.1	626
06&09	3	.1	.1	1.1	10.4	87.9	711
12&15	.5	.3	.2	.6	15.8	82.7	658
18&21	.0	.2	.3	1.4	13.8	84.3	645
TOT	5	4	6	27	327	2271	2640
PCT	.2	2	.2	1.0	12.4	86.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.2	1.0	6.5	31.0	62.5	626
06&09	.3	1.3	5.2	30.5	64.3	711
12&15	.3	2.3	6.8	32.5	60.6	658
18&21	.5	1.4	5.7	29.0	65.3	645
TOT	8	39	160	812	1668	2640
PCT	.3	1.5	6.1	30.8	63.2	100.0

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PERIOD: (PRIMARY) 1935-1971
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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY B

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89		TOTAL OBS	PCT FREQ
100/104	.0	.0	.0	*	.0	.0	.0	0	1	*
95/99	.0	.0	.1	.2	.4	.0	.0	.0	15	.6
90/94	.0	.0	.0	.3	1.6	.9	.1	0	73	2.9
85/89	.0	.0	.0	.3	2.5	15.9	7.1	1.2	687	27.1
80/84	.0	.0	0	.2	1.3	16.2	35.9	9.8	1609	63.4
75/79	0	.0	.0	.0	*	.2	1.9	3.9	152	6.0
70/74	.0	0	.0	.0	.0	.0	.0	.1	2	.1
TOTAL	0	0	2	24	146	843	1143	381	2539	100.0
PCT	0	.0	.1	.9	5.8	33.2	45.0	15.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	*	.0	.0	.0	.0	.0
*	*	*	*	.1	.2	.1	.0	.0	.1
.1	*	.1	.2	.6	1.2	.6	.1	.0	.1
.2	.4	.7	1.1	3.8	12.8	6.4	1.0	.0	.6
.8	.7	.9	2.1	5.8	27.9	20.1	3.3	*	1.5
.2	.0	*	*	.1	1.9	2.4	.8	.0	.5
.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
1.3	1.2	1.8	3.5	10.5	44.0	29.6	5.3	*	2.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	%	1%	MIN	MEAN	TOTAL OBS
00&03	94	90	87	83	79	77	73	83.0	922
06&09	100	95	91	85	80	77	75	85.0	1201
12&15	92	89	86	83	79	76	73	83.0	1020
18&21	88	86	85	82	79	77	74	82.2	1111
TOT	100	92	88	83	79	76	73	83.3	4254

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT:	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.2	2.9	30.2	52.6	14.2	82	593
06&09	.0	2.9	13.8	44.8	30.2	8.2	77	681
12&15	.0	.5	3.9	35.8	44.3	15.5	82	634
18&21	.0	.3	1.6	21.1	54.5	22.5	84	640
TOT	0	26	146	846	1148	382	81	2548

JUNE

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1857-1971

AREA 0004 SAIGON
9.4N 107.4E

TABLE 17

PCT FREQ OF AIR TEMPERATURE DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	*	.1	5	.0	.1
11/13	.0	.0	.1	.1	*	.0	9	.0	.2
9/10	.0	.0	.1	.2	.2	.1	22	.0	.6
7/8	.0	.0	.3	.4	.6	.3	57	.0	1.6
6	.0	.0	.1	.4	.3	.1	31	.0	.9
5	.0	.0	.7	1.0	.6	.1	81	.0	2.4
4	.0	.1	1.4	1.9	1.1	.1	153	.0	4.6
3	.0	*	1.0	1.5	.3	.1	97	.0	2.9
2	.1	.2	4.2	3.5	.3	.0	279	.0	8.3
1	.0	.3	3.2	3.0	.1	0	224	.0	6.7
0	*	.7	12.3	4.5	.1	.0	589	.0	17.5
-1	.0	.5	7.0	2.5	.1	.0	337	.0	10.0
-2	.1	1.1	12.4	1.8	.0	.0	518	.0	15.4
-3	*	1.0	5.7	1.2	.0	.0	266	.0	7.9
-4	.1	2.1	5.9	.7	.0	.0	297	*	8.8
-5	.1	1.6	2.8	.4	.0	.0	164	.0	4.9
-6	1	1.3	1.7	.1	.0	.0	107	.0	3.2
-7/-8	.2	1.2	1.0	.2	.0	.0	87	.0	2.6
-9/-10	.1	.5	.2	.0	.0	.0	26	.0	.8
-11/-13	*	.1	.1	.0	.0	.0	8	.0	.2
-14/-16	*	.0	.0	.0	.0	.0	1	.0	*
TOTAL							3358		
PCT	.8	10.7	60.1	23.5	3.7	.8	100.0	*	99.8

PERIOD: (OVER-ALL) 1963-1971

JUNE

TABLE 18

AREA 0004 SAIGON
9.4N 107.4E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.3
1-2	.1	.4	.1	.0	.0	.0	.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.7	.1	.0	.0	.0	1.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.2	.0	.0	.0	.0	.2
1-2	.1	.4	.2	.0	.0	.0	.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	0	0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.6	.2	.0	.0	.0	1.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	.0	.0	.0	.0	.6
1-2	*	.3	.2	.0	.0	.0	.5
3-4	.0	.0	*	.0	.0	.0	*
5-6	.0	.0	.0	.0	.0	.0	.0
7	0	0	.0	0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	0
TOT PCT	1	9	.2	.0	.0	.0	1.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.3	.0	.0	.0	.0	1.5
1-2	.1	1.5	.1	.0	.0	.0	1.7
3-4	.0	.1	*	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	2.8	.2	.0	.0	.0	3.4

PERIOD: (OVER-ALL) 1963-1971

JUNE

TABLE 18

AREA 0004 SAIGON 9.4N 107.4E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.8	*	.0	.0	.0	2.4
1-2	.2	4.0	1.2	.0	.0	.0	5.4
3-4	.0	1.0	.3	.1	.0	.0	1.4
5-6	.0	.2	.2	.0	.0	.0	.4
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	0	.0	.0	.0	.0
10-11	.0	0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	0	.0	.0	.0	.0	.0
TOT PCT	.8	7.0	1.8	.1	.0	.0	9.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	3.8	.3	.0	.0	.0	4.4
1-2	.2	11.6	11.8	.0	.0	.0	23.7
3-4	.0	3.4	8.3	.8	.0	.0	12.5
5-6	.0	.4	2.3	.3	.0	.0	3.0
7	.0	.5	1.2	.2	.0	.0	1.9
8-9	.0	.0	.3	.1	.0	.0	.4
10-11	.0	.0	*	.1	.0	.0	.1
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	19.7	24.3	1.4	.0	.0	45.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.8	.2	0	.0	.0	2.4
1-2	.2	7.0	7.7	.0	.0	.0	14.9
3-4	.1	2.6	6.4	1.2	.0	.0	10.2
5-6	.0	.4	1.4	.4	.0	.0	2.2
7	.0	.1	.7	.2	.0	.0	1.0
8-9	.0	.1	*	.1	.0	.0	.2
10-11	.0	.0	*	.1	0	.0	.1
12	.0	.0	.1	*	.0	.0	.1
13-16	.0	.0	.0	.0	.0	0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	0	0	.0	.0	0	.0	.0
26-32	.0	.0	0	.0	.0	.0	.0
33-40	.0	0	.0	.0	.0	.0	.0
41-48	0	0	.0	.0	.0	.0	0
49-60	.0	.0	0	.0	0	0	.0
61-70	.0	.0	.0	.0	.0	0	.0
71-86	.0	.0	.0	.0	.0	.0	0
87+	.0	.0	.0	0	.0	.0	.0
TOT PCT	.8	12.0	16.4	2.0	.0	.0	31.2

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.0	.0	.5
1-2	.1	2.0	1.3	.0	.0	.0	3.3
3-4	.0	.1	.5	.3	.0	.0	1.0
5-6	.0	.1	*	.1	.0	.0	.2
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.5	1.9	.4	.0	.0	5.0

JUNE

PERIOD: (OVER-ALL) 1963-1971

AREA 0004 SAIGON
9.4N 107.4E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.4	10.0	.5	.0	.0	.0	14.9	
1-2	1.1	27.0	22.4	.0	.0	.0	50.6	
3-4	.1	7.1	15.5	2.4	.0	.0	25.0	
5-6	.0	1.1	3.8	.8	.0	.0	5.7	
7	.0	.5	2.0	.4	.0	.0	2.9	
8-9	.0	.1	.3	.1	.0	.0	.5	
10-11	.0	.0	.1	.2	.0	.0	.2	
12	.0	.0	.1	.1	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1742
TOT PCT	5.6	45.8	44.7	3.9	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.1	35.0	23.4	4.9	1.8	.2	0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1440	3
6-7	.0	2.6	2.8	3.9	1.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	232	4
8-9	*	.1	.7	5	.5	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	57	6
10-11	0	.1	.1	*	.2	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	6
12-13	.0	.0	.2	.1	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	4
>13	.0	0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	6.7	4.9	1.9	.4	.2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0	291	1
TOTAL	242	875	597	205	88	24	8	4	0	0	0	0	0	0	0	0	0	0	0	2043	3
PCT	11 8	42.8	29.2	10.0	4.3	1.2	.4	2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1936-1971
(OVER-ALL) 1857-1971

AREA 0004 SAIGON
9.3N 107.3E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W0 PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	*	.0	*	.0	.0	.0	.0	*		*	.0	.0		.0	.7	
NE	*	.1	*	.0	.0	.0	.0	.1		.0	.0	.0		.0	.7	
E	.1	*	.0	.0	.0	.0	.0	.1		.1	.0	.0		.0	.5	
SE	.1	*	.0	.0	.0	.0	.0	.1		.1	.0	*		.0	1.2	
S	.3	1	.1	.0	.0	.0	.0	.5		.3	*	*		.0	7.8	
SW	1.7	1.0	.7	.0	.0	.0	.0	3.3		1.2	.0	.1		.0	44.6	
W	1.8	1.1	.7	.0	.0	.0	.0	3.5		.6	.0	*		.0	28.9	
NW	4	.1	*	.0	.0	.0	.0	.5		*	*	.1		.0	3.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	*	
CALM	.1	.0	.0	.0	.0	.0	.0	.1		*	.0	.1		.0	1.4	
TOT OBS	170	93	58	0	0	0	0		318	87	2	14		0	3426	3844
TOT PCT	4.4	2.4	1.5	.0	.0	.0	0	8.3		2.3	.1	.4		.0	89.1	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W0 PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	5.1	2.9	1.5	.0	.0	.0	.0	9.3		.0	.0	.1		.0	90.6	
06&09	3.9	2.4	1.3	.0	.0	.0	.0	7.7		.1	.1	.4		.0	91.7	
12&15	5.1	2.0	.5	.0	.0	.0	.0	7.5		4.1	.1	.5		.0	88.0	
18&21	3.6	2.3	2.6	.0	.0	.0	.0	8.5		4.7	.0	.4		.0	86.5	
TOT	170	93	58	0	0	0	0		318	87	2	14		0	3440	3858
PCT	4.4	2.4	1.5	.0	.0	.0	.0	8.2		2.3	.1	.4		.0	89.2	

JULY

PERIOD: (PRIMARY) 1936-1971
(OVER-ALL) 1857-1971

TABLE 3

AREA 0004 SAIGON
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PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.1	.5	.2	*	*	.0		.7	9.5	1.1	.0	.9	.4	.6	.7	.8	.2
NE	.1	.7	.1	*	.0	.0		.9	7.2	1.8	.8	.8	.7	.4	.4	1.0	.5
E	.2	.4	.1	.0	.0	.0		.8	6.9	.7	1.7	.8	.9	.6	.0	.8	1.1
SE	.2	1.0	.2	.0	*	.0		1.4	7.6	1.0	1.2	1.2	.9	2.4	.0	1.3	.4
S	.6	4.3	3.1	.4	*	.0		8.4	10.4	7.7	8.7	8.7	7.7	10.7	8.6	7.2	6.7
SW	1.2	18.8	26.1	3.6	1	.0		49.8	12.9	42.0	53.6	48.7	60.3	52.4	57.0	45.7	56.3
W	.7	10.4	17.3	3.8	.2	.0		32.4	14.0	37.6	30.3	33.1	25.4	27.7	29.3	36.1	31.4
NW	.2	1.9	1.4	.3	*	.0		3.8	11.5	5.9	2.9	3.4	2.6	2.7	3.6	4.7	2.4
VAR	.0	*	.0	.0	.0	.0		*	4.0	.0	.0	.0	.0	.1	.0	.0	.0
CALM	1.9							1.9	.0	2.2	.8	2.4	1.2	2.4	.4	1.9	.9
TOT OBS	223	1709	2177	365	20	0	4494		12.5	777	242	888	346	839	246	839	317
TOT PCT	5.0	38.0	48.4	8.1	.4	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	.3	.3	.1	*	.0		.7	9.5	.8	.8	.6	.6
NE	.5	.3	*	.0	.0		.9	7.2	1.5	.7	.4	.8
E	.5	.2	.1	.0	.0		.8	6.9	1.0	.8	.5	.9
SE	.7	.6	*	*	.0		1.4	7.6	1.1	1.1	1.8	1.4
S	2.5	4.9	.9	.1	.0		8.4	10.4	7.9	8.4	10.2	7.1
SW	6.8	29.9	12.2	.9	.0		49.8	12.9	44.7	51.9	53.4	48.6
W	3.6	18.3	9.5	.9	*		32.4	14.0	35.9	30.9	28.1	34.8
NW	1.1	1.9	.8	.1	.0		3.8	11.5	5.2	3.2	2.9	4.1
VAR	*	.0	.0	.0	.0		*	4.0	.0	.0	.1	.0
CALM	1.9						1.9	.0	1.9	2.0	1.9	1.6
TOT OBS	800	2539	1066	88	1	4494		12.5	1019	1234	1085	1156
TOT PCT	17.8	56.5	23.7	2.0	*		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1936-1971
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JULY

AREA (004 SAIGON
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.9	3.6	40.6	46.3	7.2	.4	.0	12.0	100.0	1019
06&09	2.0	2.8	35.5	50.0	8.9	.7	.0	12.8	100.0	1234
12&15	1.9	2.8	35.8	50.7	8.6	.2	.0	12.9	100.0	1084
18&21	1.6	3.2	40.5	46.5	7.7	.4	.0	12.3	100.0	1156
TOT	84	139	1708	2177	365	20	0	12.5		4493
PCT	1.9	3.1	38.0	48.5	8.1	.4	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	AVG CLOUD COVER
N	1	.1	.4	.3		5.8
NE	2	3	.3	.1		4.5
E	1	.3	.2	.1		4.0
SE	.4	.3	.7	.2		4.6
S	1 1	1 9	3.6	2.2		5.4
SW	5 5	8.3	18.4	14.2		5.6
W	3 4	4 9	12.9	13.0		6.0
NW	4	.6	1.5	1.9		6.2
VAR	0	*	.0	.0		3.0
CALM	5	.3	.8	.3		4.5
TOT OBS	351	505	1150	952	2958	5.7
TOT PCT	11 9	17 1	38.9	32.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM) 4/8)
AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.1	.2	.2	.0	*	.0	.0	.5	
.0	.0	.0	.0	.2	.0	.0	*	.0	.0	.7	
.0	.0	.0	.0	.1	*	.0	.0	.0	.0	.7	
*	.0	.0	.1	.2	.2	*	*	.0	.0	1.1	
*	.0	.1	.3	1.0	1.3	.1	.1	.2	.1	5.5	
.1	.1	.3	1.7	6.9	8.8	.6	.2	.6	.2	26.9	
.2	.1	.4	1.9	6.6	5.5	.6	.3	.5	.3	17.8	
*	.0	.1	.2	.9	1.0	.0	.0	.1	.1	2.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	
.0	.0	.0	*	.2	.3	*	.1	.0	*	1.3	
12	6	25	128	480	510	40	24	40	19	1674	2958
.4	.2	.8	4.3	16.2	17.2	1.4	.8	1.4	.6	56.6	100.0

JULY

PERIOD: (PRIMARY) 1936-1971
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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0
= OR >5000	2.4	2.8	2.8	2.8	2.8	2.8	2.8	2.8
= OR >3500	3.4	4.1	4.2	4.2	4.2	4.2	4.2	4.2
= OR >2000	17.3	21.0	21.4	21.4	21.4	21.4	21.4	21.4
= OR >1000	27.5	36.2	37.3	37.5	37.5	37.5	37.5	37.5
= OR >600	30.1	40.1	41.7	41.8	41.8	41.8	41.9	41.9
= OR >300	30.4	40.7	42.4	42.6	42.6	42.6	42.7	42.7
= OR >150	30.5	40.9	42.6	42.8	42.9	42.8	42.9	42.9
= OR > 0	30.7	41.1	42.8	43.1	43.1	43.2	43.3	43.3
TOTAL	910	1220	1270	1278	1278	1280	1283	1284

TOTAL NUMBER OF OBS: 2965 PCT FREQ HH <5/8: 56.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.3	10.0	21.8	12.6	9.1	8.4	11.5	7.3	15.8	.3	3059

JULY

PERIOD: (PRIMARY) 1936-1971
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.1	.1	*	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
	TOT %	.0	.0	.0	.0	.0	.1	.1	*	.0	.0	.2	
1/2<1	PCP	.0	.0	*	.0	.0	*	*	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	*	.1	.1	.0	.0	.0	.1	
	TOT %	.0	.0	*	.0	*	.1	.1	.0	.0	.0	.2	
1<2	PCP	.0	.0	.0	.0	.1	.2	.1	*	.0	.0	.4	
	NO PCP	.0	.0	.0	.0	.0	.1	.1	*	.0	.0	.2	
	TOT %	.0	.0	.0	.0	.1	.3	.2	.1	.0	.0	.6	
2<5	PCP	*	*	.1	*	.1	.3	.5	.1	.0	.0	1.1	
	NO PCP	.0	.0	.0	.0	.1	.5	.4	.1	.0	.0	1.0	
	TOT %	*	*	.1	*	.1	.8	.9	.2	.0	.0	2.1	
5<10	PCP	*	.1	.0	.0	.1	1.5	1.7	.2	.0	.1	3.8	
	NO PCP	.1	*	*	.1	1.2	7.1	5.3	.6	.0	.1	14.6	
	TOT %	.1	.1	*	.1	1.4	8.6	7.0	.8	.0	.2	18.4	
10+	PCP	.0	.0	.0	.1	.3	1.2	1.0	.1	.0	.1	2.-	
	NO PCP	.6	.7	.6	1.1	6.8	38.3	23.6	2.8	*	1.4	75.9	
	TOT %	.6	.7	.6	1.2	7.1	39.5	24.6	2.8	*	1.4	78.5	
	TOT OBS												3842
	TOT PCT	.8	.9	.7	1.4	8.6	49.3	32.9	3.9	*	1.6	100.0	

JULY

PERIOD: (PRIMARY) 1936-1971
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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	*	.0	.0	.0		*	
	11-21	.0	.0	.0	.0	.0	.1	*	*	.0		.1	
	22+	.0	.0	.0	.0	.0	*	.1	*	0		.1	
	TOT %	.0	.0	.0	.0	.0	1	.1	*	.0	.0	.3	
	0-3	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	*	.0	.0	*	*	.0	.0		*	
	11-21	.0	.0	.0	.0	.0	*	.1	.0	.0		.1	
	22+	.0	.0	.0	.0	*	*	.0	.0	.0		*	
	TOT %	.0	.0	*	.0	*	.1	.1	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
1<2	4-10	.0	.0	.0	.0	*	.1	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	*	.2	.2	.1	.0		.5	
	22+	.0	.0	.0	.0	*	*	.1	.0	.0		.1	
	TOT %	.0	.0	.0	.0	.1	.4	.3	.1	.0	.0	.8	
	0-3	.0	.0	*	.0	*	*	*	.0	.0	0	.1	
2<5	4-10	.0	*	*	*	.1	.2	.2	.1	.0		.6	
	11-21	.0	.0	*	.0	.1	.6	.5	.1	.0		1.4	
	22+	*	*	.0	.0	*	.2	.3	*	.0		.6	
	TOT %	*	.1	.1	*	.2	1.1	1.0	.2	.0	.0	2.7	
	0-3	*	.0	.0	.0	.1	.2	.3	.1	.0	.1	.7	
5<10	4-10	.1	.1	*	.1	.5	2.8	1.7	.4	.0		5.8	
	11-21	*	.0	.0	*	.6	4.7	3.9	.3	.0		9.6	
	22+	.0	.0	.0	.0	.1	.9	1.1	*	.0		2.2	
	TOT %	.2	.1	*	.1	1.3	8.6	6.9	.8	.0	.1	18.3	
	0-3	*	*	.1	.1	.5	.8	.4	.1	.0	1.5	3.8	
10+	4-10	4	.5	.3	.8	3.9	15.7	8.6	1.4	*		31.6	
	11-21	1	.1	.1	.2	2.3	20.8	12.8	.9	.0		37.4	
	22+	*	.0	.0	*	.2	2.1	2.4	.3	.0		5.0	
	TOT %	.6	.7	.5	1.1	6.9	39.5	24.2	2.7	*	1.5	77.8	
	TOT OBS												4119
	TOT PCT	.7	.8	.7	1.3	8.6	49.7	32.7	3.9	*	1.7	100.0	

JULY

PERIOD: (PRIMARY) 1936-1971
(OVER-ALL) 1957-1971

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.MH >4/8) AND OCCURRENCE OF MH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MH <5/8 ANY HGT	TOTAL OBS
00&03	.5	.0	.7	4.4	15.6	16.9	1.4	.5	1.2	.4	41.7	58.3	729
06&09	.7	.3	.9	4.1	13.9	18.7	1.3	.8	1.0	.4	42.1	57.9	753
12&15	.0	.1	1.0	4.2	17.2	17.2	1.5	.9	1.3	.6	44.0	56.0	781
18&21	.4	.4	.7	4.4	17.0	14.8	1.2	.9	1.7	1.1	42.6	57.4	749
TOT	12	6	25	129	481	511	41	24	40	19	1288	1734	3022
PCT	.4	.2	.8	4.3	15.9	16.9	1.4	.8	1.3	.6	42.6	57.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	1	.1	3	2.1	15.2	82.2	712
06&09	4	.0	.7	1.9	13.0	84.1	749
12&15	.1	.0	1	2.1	19.8	77.8	772
18&21	3	.0	.0	1.9	23.2	74.6	736
TOT	7	1	8	59	529	2365	2969
PCT	2	*	.3	2.0	17.8	79.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.MH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	MH <5/8 AND 5+	TOTAL OBS
00&03	.7	1.5	7.7	35.4	56.9	712
06&09	.7	1.9	7.7	35.2	57.0	749
12&15	.1	1.3	7.0	37.8	55.2	772
18&21	.7	1.9	7.9	36.0	56.1	736
TOT	16	49	225	1073	1671	2969
PCT	.5	1.7	7.6	36.1	56.3	100.0

JULY

PERIOD (PRIMARY) 1936-1971
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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	0	0	0	1	.2	.0	.0	.0	8	.3
90/94	0	0	0	.1	.8	.7	.2	*	49	1.8
85/89	0	0	.0	.2	1.4	8.5	3.3	7	393	14.1
80/84	0	0	.0	.0	.8	21.0	42.8	9.9	2078	74.5
75/79	0	.0	.0	0	*	.3	3.4	5.4	253	9.1
70/74	0	.0	.0	.0	.0	.0	.0	.3	7	.3
TOTAL	0	0	0	9	87	850	1388	454	<788	100.0
PCT	0	0	.0	.3	3.1	30.5	49.8	16.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.1	.2	*	.0	.0	.0
.0	.0	.0	*	.4	.7	.5	*	.0	.1
.1	.1	.1	3	1.5	7.7	3.6	.3	.0	.5
.6	.7	.6	1.2	6.2	35.6	25.1	3.2	*	1.3
.1	.1	*	.1	.6	2.8	4.2	.9	.0	.2
.0	.0	.0	.0	.0	.1	.1	.0	.0	.0
.8	.9	.7	1.5	8.8	47.1	33.7	4.3	*	2.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	95	90	86	82	78	75	73	82.0	1019
06&09	98	93	89	84	79	76	73	83.7	1224
12&15	97	88	85	82	78	76	74	82.0	1081
18&21	91	86	84	82	78	75	73	81.4	1161
TOT	98	91	87	82	78	75	73	82.3	4485

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.9	28.0	53.3	17.8	84	653
06&09	.0	1.0	9.1	45.5	34.2	10.1	79	690
12&15	.0	.0	2.2	31.0	50.8	16.0	83	732
18&21	.0	.3	.3	17.9	60.7	20.8	85	725
TOT	0	9	87	854	1396	454	82	2800

PER100: (PRIMARY) 1936-1971
(OVER ALL) 1857-1971

AREA 0004 SAIGON
9.3N 107.3E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.1	.0	2	.0	.1
11/13	.0	.0	.0	.3	.1	.1	23	.0	.6
9/10	.0	.0	.7	.4	.1	.1	48	.0	1.3
7/8	.0	*	.6	.1	.6	.2	57	.0	1.6
6	.0	.1	.2	.3	.5	*	42	.0	1.2
5	.0	.1	.8	.8	.3	*	71	.0	2.0
4	.0	.4	2.1	1.5	.3	.0	149	.0	4.2
3	.0	.2	1.1	1.3	*	.0	92	.0	2.6
2	*	.4	5.2	2.6	.1	.0	295	.0	8.3
1	.0	.2	4.0	1.5	*	.0	201	.0	5.7
0	.1	1.5	15.0	2.2	.0	.0	668	.0	18.8
-1	.0	.6	7.5	1.0	.0	.0	326	.0	9.2
-2	*	2.9	11.3	.4	.0	.0	519	*	14.6
-3	.0	1.5	6.9	.2	.0	.0	304	.0	8.6
-4	.1	3.0	4.8	.1	.0	.0	285	.0	8.0
-5	.1	2.1	3.4	.1	.0	.0	204	.0	5.7
-6	.1	2.3	1.1	.0	.0	.0	124	*	3.5
-7/-8	.3	2.1	.8	.0	.0	.0	113	.0	3.2
-9/-10	.3	.3	.0	.0	.0	.0	22	.0	.6
-11/-13	.1	.1	.0	.0	.0	.0	8	.0	.2
TOTAL							3553		
PCT	1.3	17.8	65.4	12.8	2.0	.5	100.0	.1	99.8

PERIOD: (OVER-ALL) 1963-1971

JULY

AREA 0004 SAIGON
9.3N 107.3E

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.1	.0	.0	.0	.0	.2
1-2	.1	.4	.2	.0	.0	.0	.7
3-4	.0	*	*	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	0	.0	.0	.0	.0	.0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	.0	0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	0	.0	.0	.0	.0	.0
TOT PCT	.1	.6	.3	.0	.0	.0	.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.2	.0	.0	.0	.0	.2
1-2	.0	.4	.1	.0	.0	.0	.4
3-4	.0	*	.1	.0	.0	.0	.1
5-6	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	0	.0	.0	.0	.0
49-60	.0	.0		.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	*	.6	.1	.0	.0	.0	.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1	.0	.0	.0	.0	.0	.1
1-2	.0	.4	.0	.0	.0	.0	.4
3-4	.0	.1	.0	.0	.0	.0	.1
5-6	.0	0	.0	.0	.0	.0	.0
7	0	.0	.0	.0	.0	.0	.0
8-9	0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	0	.0	.0	0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	0	.0	.0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	0	.0	.0	.0	.0
61-70	.0	0	0	.0	.0	.0	.0
71-86	0	.0	0	.0	.0	.0	.0
87+	0	0	0	0	.0	.0	0
TOT PCT	.1	.5	0	.0	.0	.0	.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.2
1-2	.1	.7	.1	.0	.0	.0	.9
3-4	.0	*	.1	.0	.0	.0	.1
5-6	.0	.1	*	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	*	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.9	.2	.0	*	.0	1.3

PERIOD: (OVER-ALL) 1963-1971

JULY

AREA 0004 SAIGON
9.3N 107.3E

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.7	.0	.0	.0	.0	.8
1-2	.2	2.2	1.6	.0	.0	.0	4.0
3-4	.0	.5	1.1	.2	.0	.0	1.8
5-6	.0	.1	.2	.0	*	.0	.3
7	.0	.0	.1	.0	.0	.0	.1
8-9	0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	*	*	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	3.5	3.0	.2	.1	.0	7.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	3.0	.1	.0	.0	.0	3.7
1-2	.4	10.2	11.3	.0	.0	.0	22.0
3-4	.1	3.7	10.2	1.0	.0	.0	14.9
5-6	.0	.3	2.1	.5	*	.0	2.9
7	.0	.1	1.2	.5	.0	.0	1.8
8-9	.0	.1	.4	.2	.0	.0	.7
10-11	.0	.1	.1	.1	.0	.0	.3
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	17.5	25.3	2.4	*	.0	46.3

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	4	2.3	.2	.0	.0	.0	2.8
1-2	.2	7.8	9.3	.0	.0	.0	17.3
3-4	.0	2.6	7.5	1.6	.0	.0	11.7
5-6	.0	.1	1.8	.9	.0	.0	2.8
7	.0	.0	.6	.6	.0	.0	1.1
8-9	.0	.0	.2	.2	.0	.0	.4
10-11	.0	.1	*	.3	.0	.0	.4
12	0	.0	.0	.2	.0	.0	.2
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	0	.0	.0	.0	.0	.0	.0
26-32	0	0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	12.9	19.5	3.9	0	.0	36.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.8	.0	.0	.0	.0	.9
1-2	*	1.6	.7	.0	.0	.0	2.4
3-4	.0	.2	.7	.2	.0	.0	1.1
5-6	.0	.0	.2	.1	.0	.0	.2
7	.0	.0	*	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	2.6	1.6	.4	.0	.0	4.8

JULY

PERIOD: (OVER-ALL) 1963-1971

AREA 0004 SAIGON
9.3N 107.3E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.4	7.2	.3	.0	.0	.0	10.8	
1-2	1.1	23.6	23.1	.0	.0	.0	47.8	
3-4	.1	7.2	19.5	2.9	.0	.0	29.7	
5-6	.0	.6	4.3	1.4	.1	.0	6.3	
7	0	.1	1.8	1.2	.0	.0	3.1	
8-9	.0	.*	.6	.5	.0	.0	1.1	
10-11	.0	.1	.2	.5	.1	.0	.8	
12	0	0	.0	.3	.0	.0	.3	
13-16	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	0	.0	.0	.0	.0	.0	.0	
33-40	0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	0	.0	.0	.0	.0	
49-60	0	.0	0	.0	.0	.0	.0	
61-70	.0	.0	0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.6	38.9	49.6	6.8	.1	.0	100.0	1965

PERIOD (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.7	36.5	25.8	5.1	1.5	.4	*	1	*	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	1668	3
6-7	1	1.7	4.6	2.5	1.8	2	.6	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	263	4
8-9	0	6	9	.6	.8	.4	5	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	91	6
10-11	0	1	6	*	1	.1	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29	5
12-13	0	0	0	0	.0	*	1	.2	1	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	11
>13	0	0	0	0	.0	1	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	10
INDET	4.7	2.7	1.3	.8	.5	.3	0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	212	2
TOTAL	195	926	755	203	108	76	31	12	9	2	0	0	0	0	0	0	0	0	0	2277	3
PCT	8.6	40.7	33.2	8.9	4.7	1.6	1.4	.5	.4	1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1936-1971
(OVER-ALL) 1857-1971

TABLE 1

AREA 0004 SAIGAN
9.3N 107.3E

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.1	.1	*	.0	.0	.0	.0	.2		*	.0	.0	.0		1.0	
NE	.1	.0	.1	.0	.0	.0	.0	.1		.0	.0	.0	.0		1.5	
E	.1	*	*	.0	.0	.0	.0	.1		.1	.0	.0	.0		1.5	
SE	.1	*	*	.0	.0	.0	.0	.1		.1	.0	.0	.0		1.6	
S	.1	.1	.0	.0	.0	.0	*	.2		*	.0	*	.0		6.3	
SW	1.5	.7	.4	.0	.0	.0	*	2.4		.5	.1	.1	.0		45.9	
W	1.4	.7	.6	.0	.0	.0	.0	2.5		.5	.1	.1	.0		29.0	
NW	.3	.2	.2	.0	.0	.0	.0	.7		*	.0	*	.0		3.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0		*	.0	.0	.0		1.8	
TOT OBS	126	65	41	0	0	0	2		232	51	4	9	0		3351	3645
TOT PCT	3.5	1.8	1.1	.0	.0	.0	.1	6.4		1.4	.1	.2	.0		91.9	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	3.6	1.4	.8	.0	.0	.0	.0	5.7		.1	.0	.3	.0		93.9	
06&09	2.7	1.2	.9	.0	.0	.0	.0	4.8		.2	.2	.5	.0		94.3	
12&15	4.1	2.3	1.7	.0	.0	.0	.1	8.1		2.9	.0	.0	.0		89.1	
18&21	3.4	2.2	1.1	.0	.0	.0	.1	6.7		2.3	.2	.1	.0		90.6	
TOT	127	65	41	0	0	0	2		233	52	4	9	0		3373	3659
PCT	3.5	1.8	1.1	.0	.0	.0	.1	6.4		1.4	.1	.2	.0		91.9	

AUGUST

PERIOD: (PRIMARY) 1936-1971
(OVER-ALL) 1857-1971

AREA 0004 SAIGON
9.3N 107.3E

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.1	.6	.2	.1	.0	.0		1.0	8.7	1.6	1.1	1.0	.3	.7	.9	1.3	1.0
NE	.2	1.0	.2	*	.0	.0		1.4	7.5	1.5	.0	2.3	.8	1.2	2.2	1.2	.9
E	.2	1.0	.3	*	.0	.0		1.5	8.1	1.2	1.0	1.7	1.1	1.4	2.2	2.2	.5
SE	.3	1.1	.3	*	.0	.0		1.7	6.9	1.3	1.5	.9	2.0	2.3	1.4	2.8	.5
S	.5	3.7	2.4	.2	*	.0		6.7	9.9	6.5	5.7	5.7	10.1	8.8	5.6	5.9	4.5
SW	.7	19.9	25.7	3.6	*	.0		49.9	12.7	42.1	51.8	50.9	59.8	54.9	50.7	47.7	47.1
W	.3	9.9	18.3	3.3	.2	*		32.0	13.9	37.6	36.2	32.1	24.7	24.3	31.5	33.2	40.7
NW	.3	2.2	1.3	.2	*	.0		4.1	10.3	6.3	2.2	3.6	1.2	4.4	3.7	4.1	3.8
VAR	.0	.0	0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	2.0	.5	1.8	.0	2.3	1.8	1.6	1.0
TOT OBS	180	1692	2091	316	11	1	4291		12.3	768	203	847	323	843	218	799	290
TOT PCT	4.2	39.4	48.7	7.4	.3	*		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.6	.4	*	*	.0		1.0	8.7	1.5	.8	.7	1.2
NE	.7	.8	*	.0	.0		1.4	7.5	1.2	1.9	1.4	1.1
E	.5	.8	.1	.0	.0		1.5	8.1	1.2	1.6	1.5	1.7
SE	1.1	.6	.1	.0	.0		1.7	6.9	1.3	1.2	2.1	2.2
S	2.1	3.8	.8	*	.0		6.7	9.9	6.3	6.9	8.0	5.5
SW	5.3	33.2	10.7	.7	.0		49.9	12.7	44.1	53.3	54.0	47.5
W	2.7	19.2	9.4	.6	*		32.0	13.9	37.3	30.1	25.8	35.2
NW	1.4	2.1	.5	.1	.0		4.1	10.3	5.5	2.9	4.2	4.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	1.6	1.3	2.2	1.5
TOT OBS	687	2611	927	64	2	4291		12.3	971	1170	1061	1089
TOT PCT	16.0	60.8	21.6	1.5	*		100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1936-1971
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

	WIND SPEED (KNOTS)									
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.6	2.5	41.7	47.3	6.6	.3	.0	11.9	100.0	971
06&09	1.3	2.1	37.0	49.7	9.6	.3	.0	12.8	100.0	1170
12&15	2.2	2.7	38.2	50.3	6.4	.2	.0	12.3	100.0	1061
18&21	1.5	2.9	41.2	47.5	6.6	.2	.1	12.1	100.0	1089
TOT	70	110	1692	2091	316	11	1	12.3		4291
PCT	1.6	2.6	39.4	48.7	7.4	.3	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.1	.1	.6	.4		6.1
NE	.4	.4	.7	.4		4.8
E	.2	.5	.8	.4		5.2
SE	.5	.3	.9	.3		4.9
S	.9	1.4	2.9	1.3		5.2
SW	6.0	11.2	21.2	9.7		5.2
W	3.3	5.2	13.1	9.9		5.8
NW	.3	.7	2.0	1.8		6.1
VAR	.0	.0	.0	.0		.0
CALM	.4	.5	.8	.2		4.5
TOT OBS	330	557	1180	668	2735	5.4
TOT PCT	12.1	20.4	43.1	24.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.4	.2	.0	.1	*	.0	.6	
NE	.0	.0	.0	.1	.1	.5	*	*	*	.0	1.1	
E	.0	.0	.0	.1	.4	.4	.0	.0	.0	.0	1.0	
SE	.0	.0	.0	.1	.3	.4	.0	.0	*	.0	1.2	
S	.0	.0	*	.3	.8	1.3	.1	*	*	*	3.9	
SW	.1	.0	.3	1.8	5.5	8.4	.8	.3	.5	.2	30.2	
W	.1	*	.4	1.2	5.6	6.0	.7	.4	.3	.2	16.6	
NW	.0	*	.1	.1	1.1	1.3	.1	*	*	.0	2.1	
VAR	.0	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.1	.3	.3	.0	.0	.0	.0	1.2	
TOT OBS	6	2	21	106	397	514	45	24	26	12	1582	2735
TOT PCT	.2	.1	.8	3.9	14.5	18.8	1.6	.9	1.0	.4	57.8	100.0

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PERIOD: (PRIMARY) 1936-1971
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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM)4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.2	1.3	1.3	1.4	1.4	1.4	1.4	1.4
= OR >5000	2.0	2.2	2.2	2.3	2.3	2.3	2.3	2.3
= OR >3500	3.5	3.8	3.9	3.9	3.9	3.9	3.9	3.9
= OR >2000	20.0	22.1	22.5	22.6	22.6	22.6	22.6	22.6
= OR >1000	30.9	36.2	36.8	36.9	37.0	37.0	37.0	37.1
= OR >600	33.5	39.6	40.6	40.8	41.0	41.0	41.0	41.1
= OR >300	33.9	40.3	41.3	41.6	41.7	41.7	41.7	41.8
= OR >150	33.9	40.3	41.4	41.6	41.8	41.8	41.8	41.9
= OR > 0	33.9	40.3	41.5	41.8	41.9	42.0	42.0	42.1
TOTAL	332	1109	1142	1149	1153	1154	1155	1157

TOTAL NUMBER OF OBS: 2750 PCT FREQ NH <5/8: 57.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.1	6.8	21.7	15.7	11.1	8.3	14.1	6.4	12.5	.3	2839

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	*	.1	.0	.0	.0	.1	
<1/2	NO PCP	.0	.0	.0	.0	.0	*	*	.0	0	.0	.1	
	TOT %	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	
	PCP	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.1	
1/2<1	NO PCP	0	.0	.0	.0	.0	.1	*	*	.0	.0	.1	
	TOT %	0	0	.0	.0	.0	.1	.1	*	.0	.0	.2	
	PCP	.1	1	*	.0	*	.1	.2	*	.0	.0	.4	
1<2	NO PCP	.0	.0	.0	.0	0	.2	.1	.0	.0	.0	.2	
	TOT %	.1	.1	*	.0	*	.2	.2	*	.0	.0	.6	
	PCP	*	*	.1	.0	.1	.2	.5	*	.0	.0	.3	
2<5	NO PCP	.0	.0	0	*	.1	.4	.3	.0	.0	.0	.8	
	TOT %	*	*	.1	*	.2	.6	.6	*	.0	.0	1.7	
	PCP	.0	0	*	.1	.1	1.0	.9	.4	.0	.0	2.6	
5<10	NO PCP	.2	*	.1	1	.7	5.3	4.6	.7	.0	.1	11.8	
	TOT %	.2	*	.1	.2	.8	6.3	5.5	1.2	.0	.1	14.4	
	PCP	1	.1	*	.1	*	1.0	.8	.3	.0	.0	2.4	
10+	NO PCP	.8	1.5	1.4	1.6	5.6	40.5	24.7	2.9	.0	1.5	80.5	
	TOT %	9	1.5	1.5	1.7	6.6	41.6	25.5	3.2	.0	1.5	82.9	
	TOT OBS												3645
	TOT PCT	1.1	1.6	1.7	1.9	6.6	48.9	32.2	4.4	.0	1.6	100.0	

PERIOD: (PRIMARY) 1936-1971
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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	*	.0	.0	.0		*	
	11-21	.0	.0	.0	.0	.0	*	.1	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	*	*	.0	.0		.1	
	TOT %	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.1	*	*	.0		.2	
	22+	.0	.0	.0	.0	.0	*	*	.0	.0		.1	
	TOT %	.0	.0	.0	.0	.0	.2	.1	*	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	*	*	.0	.0		.1	
	11-21	.0	.1	*	.0	*	.2	.2	*	.0		.4	
	22+	.1	.0	.0	.0	*	.1	.1	.0	.0		.2	
	TOT %	.1	.1	*	.0	*	.3	.3	*	.0	.0	.7	
	0-3	.0	.0	.0	.0	.0	*	*	.0	.0	.0	.1	
2<5	4-10	.0	*	*	*	.1	.2	.2	*	.0		.6	
	11-21	*	.0	*	.0	.1	.5	.5	*	.0		1.2	
	22+	.0	.0	.0	.0	*	.2	.2	.0	.0		.5	
	TOT %	*	*	.1	*	.2	.9	1.0	*	.0	.0	2.2	
	0-3	.0	.0	*	*	.1	*	*	.1	.0	.1	.3	
5<10	4-10	.1	*	.1	.1	.3	2.4	1.7	.5	.0		5.2	
	11-21	*	.0	*	*	.4	3.3	3.0	.5	.0		7.3	
	22+	*	.0	.0	.0	*	.6	.7	.1	.0		1.4	
	TOT %	1	*	.1	.2	.8	6.3	5.5	1.1	.0	.1	14.2	
	0-3	.1	.2	.2	3	.4	.7	.2	.3	.0	1.4	3.7	
10+	4-10	.6	1.0	.9	1.0	3.3	17.7	8.1	1.8	.0		34.5	
	11-21	.2	.2	.2	.3	1.7	21.0	15.0	.9	.0		39.4	
	22+	.0	*	*	*	.1	2.3	2.3	.2	.0		4.9	
	TOT %	.9	1.4	1.4	1.6	5.5	41.6	25.6	3.2	.0	1.4	82.5	
	TOT OBS												3952
	TOT PCT	1.1	1.5	1.6	1.8	6.5	49.2	32.5	4.4	.0	1.5	100.0	

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PERIOD: (PRIMARY) 1936-1971
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >4/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00&03	.3	.1	.6	3.4	14.7	19.3	1.6	.4	.9	.3	41.5	58.5	696
06&09	.0	.1	.8	3.4	14.5	20.9	1.1	1.1	.7	.0	42.7	57.3	709
12&15	.3	.0	.9	4.2	14.2	18.6	2.3	.9	.8	1.1	43.4	56.6	738
18&21	.3	.0	.6	4.6	13.1	14.2	1.3	.9	1.3	.3	36.7	63.3	671
TOT	6	2	21	110	398	514	45	24	26	12	1158	1656	2814
PCT	.2	.1	.7	3.9	14.1	18.3	1.6	.9	.9	.4	41.2	58.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.3	.3	1	.9	7.9	90.4	680
06&09	0	.0	.4	.9	7.8	90.9	690
12&15	.3	.1	.6	1.7	14.1	83.3	723
18&21	.2	.2	2	2.6	14.8	32.1	660
TOT	5	4	9	41	308	2386	2753
PCT	2	1	.3	1.5	11.2	86.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00&03	.4	1.5	5.4	37.5	57.1	680
06&09	.0	.9	5.1	38.9	56.1	690
12&15	.3	1.5	7.1	37.5	55.5	723
18&21	.8	1.5	7.9	30.5	61.7	660
TOT	10	37	175	995	1583	2753
PCT	.4	1.3	6.4	36.1	57.5	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	0	.0	*	.0	*	.0	.0	.0	2	.1
90/94	.0	.0	.0	.1	.6	.6	.3	*	45	1.7
85/89	.0	.0	.0	.2	1.1	9.4	4.6	.9	428	16.2
80/84	0	.0	0	.0	.8	14.6	42.0	12.9	1861	70.3
75/79	.0	.0	.0	.0	.0	.2	4.6	7.0	311	11.7
70/74	.0	0	.0	.0	.0	.0	.0	.1	2	.1
TOTAL	0	0	1	6	67	659	1362	454	2649	100.0
PCT	0	.0	*	.2	2.5	24.9	51.4	20.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	*	*	*	.0	.0	.0
*	.0	.0	*	.1	.8	.5	.1	.0	.2
.2	.5	.5	.4	1.4	8.1	4.1	.6	.0	.4
.8	1.2	1.3	1.5	4.6	33.1	23.7	2.9	.0	1.2
.3	.1	.2	.2	.5	4.4	4.3	1.4	.0	.2
.0	.0	.0	.0	.0	*	.1	.0	.0	.0
1.4	1.9	2.0	2.1	6.6	46.5	32.7	5.0	.0	1.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	93	88	86	82	78	76	73	82.1	972
06&09	98	91	89	84	79	77	73	83.8	1162
12&15	92	88	85	82	78	75	72	82.1	1065
18&21	88	85	84	82	77	75	72	81.3	1095
TOT	98	90	87	82	78	76	72	82.4	4294

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.2	1.1	18.4	58.3	22.0	85	641
06&09	.0	.8	6.1	43.0	39.5	10.6	80	651
12&15	.0	.1	2.0	23.3	54.5	20.0	84	699
18&21	.0	.0	1.0	15.3	53.3	30.3	86	679
TOT	0	7	68	665	1374	556	83	2670

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PERIOD: (PRIMARY) 1936-1971
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/16	.0	.0	*	.0	.1	.0	5	.0	.1
11/13	.0	.0	.2	.1	.0	.0	11	.0	.3
9/10	.0	.0	.3	.4	.1	*	29	.0	.8
7/8	.0	.0	.5	1.1	.6	.1	80	.0	2.3
6	.0	.0	.3	.4	.3	.0	36	.0	1.0
5	.0	*	1.1	1.3	.5	*	105	.0	3.0
4	*	.3	2.0	1.8	.3	*	157	.0	4.5
3	.0	.1	1.4	1.8	.2	.0	123	.0	3.5
2	*	.7	6.8	2.1	.1	.0	340	.0	9.8
1	.0	.6	4.1	2.0	*	.0	235	.0	6.7
0	.2	1.2	17.2	1.7	.0	.0	706	*	20.2
-1	*	1.0	7.9	.7	.0	.0	336	*	9.6
-2	.2	2.7	11.1	.1	.0	.0	492	.0	14.1
-3	.1	1.4	4.1	.3	.0	.0	205	*	5.9
-4	.3	3.0	4.1	.1	.0	.0	258	.0	7.4
-5	.3	1.7	1.6	*	.0	0	127	*	3.6
-6	.1	2.1	.7	*	.0	.0	100	.0	2.9
-7/-8	.3	1.7	.9	.0	.0	.0	101	.0	2.9
-9/-10	.2	.4	.2	.0	.0	.0	26	.0	.7
-11/-13	.1	.2	*	.0	.0	.0	10	.0	.3
TOTAL							3482		
PCT	1.7	17.2	64.6	14.0	2.3	.1	100.0	.1	99.8

PERIOD: (OVER-ALL) 1963-1971

AUGUST

TABLE 18

AREA 0004 SAIGON
9.3N 107.3E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.3
1-2	.0	.4	.1	.0	.0	.0	.6
3-4	.0	.0	.1	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.6	.2	.0	.0	.0	.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.3
1-2	.1	.8	.1	.0	.0	.0	.9
3-4	.0	.0	.1	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.0	.1	.0	.0	.0	1.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.7	.0	.0	.0	.0	.8
1-2	.0	.2	.1	.0	.0	.0	.4
3-4	.1	.1	.1	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.0	.2	.0	.0	.0	1.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.3	.0	.0	.0	.0	.6
1-2	.0	.4	.1	.0	.0	.0	.5
3-4	.0	.1	.0	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.9	.1	.0	.0	.0	1.2

PERIOD: (OVER-ALL) 1963-1971

AUGUST

TABLE 18

AREA 0004 SAIGON
9.3N 107.3E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.8	.0	.0	.0	.0	1.0
1-2	.2	2.2	1.6	.0	.0	.0	4.0
3-4	.0	.4	.5	*	.0	.0	1.0
5-6	.0	.1	*	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.6	2.1	*	.0	.0	6.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	2.4	.3	.0	.0	.0	2.8
1-2	.2	14.3	12.8	.0	.0	.0	27.5
3-4	.0	4.8	9.1	1.3	.0	.0	15.2
5-6	.0	.6	2.5	.6	.0	.0	3.7
7	.0	.0	.7	.3	.0	.0	1.1
8-9	.0	.0	.1	.2	.0	.0	.3
10-11	.0	.0	.0	.2	.0	.0	.2
12	.0	.0	.1	.1	.0	.0	.2
13-16	.0	.0	.1	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	22.0	25.9	2.8	.0	.0	51.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.8	.2	.0	.0	.0	1.0
1-2	.1	6.7	8.4	.0	.0	.0	15.2
3-4	*	2.2	7.9	1.7	.0	.0	11.8
5-6	.0	.1	2.1	.6	*	.0	2.8
7	.0	*	.6	.4	.0	.0	1.1
8-9	.0	.0	.1	.2	.0	.0	.3
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	*	*	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	9.9	19.4	3.1	*	.0	32.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.1	.0	.0	.0	.7
1-2	.2	1.4	1.0	.0	.0	.0	2.7
3-4	.1	.5	.3	.1	.0	.0	1.0
5-6	.0	.1	.2	*	*	.0	.3
7	.0	*	.0	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.6	1.6	.1	*	.0	4.7

AUGUST

PERIOD: (OVER-ALL) 1963-1971

AREA 0004 SAIGON
9.3N 107.3E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
								885
<1	2.2	6.1	.6	.0	.0	.0	8.9	
1-2	1.0	26.3	24.2	.0	.0	.0	51.5	
3-4	.3	7.9	17.8	3.2	.0	.0	29.2	
5-6	.0	.9	4.9	1.2	.1	.0	7.0	
7	.0	.1	1.4	.7	.0	.0	2.1	
8-9	.0	.0	.2	.4	.0	.0	.6	
10-11	.0	.0	.0	.3	.0	.0	.3	
12	.0	.0	.1	.2	.0	.0	.2	
13-16	.0	.0	.1	.1	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.5	41.2	49.2	6.0	.1	.0	100.0	885

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.1	34.4	26.7	4.6	1.7	.1	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1581	3
6-7	*	3.4	3.2	3.9	1.6	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	294	4
8-9	.0	1.1	.8	.7	1.0	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	94	5
10-11	.0	.6	.5	.1	*	.0	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	4
12-13	.0	.0	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
>13	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
INDET	3.8	3.8	1.1	.8	.2	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	219	2
TOTAL	154	962	724	225	104	26	18	9	5	0	0	0	0	0	0	0	0	0	0	2227	3
PCT	6.9	43.2	32.5	10.1	4.7	1.2	.8	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1857-1971

AREA 0004 SAIGON
9.4N 107.4E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.2	*	*	.0	.0	.0	.0	.3		.1	.0	*	.0	2.2		
NE	.1	*	*	.0	.0	.0	.0	.2		.1	.0	*	.0	2.6		
E	.1	.1	.1	.0	.0	.0	.0	.2		.1	.0	.0	.0	2.7		
SE	*	.0	.0	.0	.0	.0	.0	*		.1	.0	.0	.0	1.8		
S	.2	*	*	.0	.0	.0	.0	.2		.3	.0	.0	.0	5.6		
SW	.3	.9	.4	.0	.0	.0	.0	2.6		1.0	*	.1	*	37.7		
W	1.6	.9	.3	.0	.0	.0	.0	2.8		.7	.0	.1	.1	30.7		
NW	.3	.2	.1	.0	.0	.0	.0	.7		.1	*	*	.0	5.4		
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0		
CALM	*	*	.0	.0	.0	.0	.0	.1		.1	.0	.0	.0	1.7		
TOT OBS	135	74	32	0	0	0	0		240	81	2	8	3	3087	3418	
TOT PCT	3.9	2.2	.9	.0	.0	.0	.0	7.0		2.4	.1	.2	.1	90.3		

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W/O PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	2.8	2.1	.9	.0	.0	.0	.0	5.8		.1	.0	.6	.3	93.3		
06&09	4.1	2.4	.7	.0	.0	.0	.0	7.2		.0	.1	.0	.0	92.7		
12&15	4.1	1.8	1.3	.0	.0	.0	.0	7.3		5.4	.0	.2	.1	87.1		
18&21	4.8	2.3	.8	.0	.0	.0	.0	7.8		3.8	.1	.1	.0	88.4		
TOT	136	74	32	0	0	0	0		241	82	2	8	3	3095	3428	
PCT	4.0	2.2	.9	.0	.0	.0	.0	7.0		2.4	.1	.2	.1	90.3		

SEPTEMBER

PERIOD: (PRIMARY) 1335-1971
(OVER-ALL) 1957-1971

TABLE 3

AREA 0004 SAIGON
9.4N 107.4E

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	1.4	.6	.1	.0	.0		2.6	7.6	4.7	.8	2.5	1.7	2.2	1.0	2.6	2.3
NE	.3	1.7	1.0	*	*	.0		3.0	9.1	3.2	.8	4.3	2.1	3.1	1.7	2.7	2.0
E	.2	1.7	.8	.1	*	.0		2.8	9.6	2.2	1.3	4.4	1.4	3.5	.5	3.1	1.2
SE	.4	1.3	.4	*	.0	.0		2.1	7.0	1.4	1.3	2.8	2.5	2.2	1.0	2.4	1.4
S	.6	4.1	1.7	.2	.0	.0		6.5	9.0	4.4	3.2	5.5	9.7	9.3	7.1	6.9	6.0
SW	1.3	18.7	18.6	2.8	.1	.0		41.7	12.0	38.9	47.4	38.5	51.9	45.8	48.0	39.1	40.7
W	1.0	13.0	16.2	2.7	.1	.0		33.1	12.5	35.5	35.4	32.9	26.3	28.6	35.2	35.7	36.8
NW	.5	3.1	2.0	.3	.0	.0		5.9	10.1	7.9	7.0	6.3	2.9	4.8	5.0	5.2	6.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.3							2.3	.0	1.7	2.1	2.5	1.4	2.5	.5	3.3	2.4
TOT OBS	294	1042	1700	250	12	0	4098		11.2	701	192	841	278	615	201	784	286
TOT PCT	7.2	44.9	41.5	6.1	.3	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.4	1.1	.1	*	.0		2.6	7.6	3.0	2.3	2.0	2.5
NE	1.1	1.7	.2	*	.0		3.0	9.1	2.7	3.8	2.8	2.7
E	1.0	1.5	.3	*	.0		2.8	9.6	2.1	3.7	2.9	2.6
SE	1.2	.7	.1	.0	.0		2.1	7.0	1.3	2.6	2.0	2.1
S	2.4	3.4	.6	*	.0		6.5	9.0	4.3	6.5	8.8	5.8
SW	6.9	26.2	8.1	.5	.0		41.7	12.0	40.8	41.8	44.6	39.6
W	4.7	20.9	6.9	.6	.0		33.1	12.5	35.5	31.3	29.9	36.0
NW	1.8	3.4	.7	.1	.0		5.9	10.1	7.7	5.8	4.8	5.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.3						2.3	.0	1.8	2.2	2.1	3.1
TOT OBS	941	2411	695	51	0	4098		11.2	893	1119	1016	1070
TOT PCT	23.0	58.8	17.0	1.2	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1935-1971
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

	WIND SPEED (KNOTS)								PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
00&03	1.8	7.4	45.2	38.6	6.8	.1	.0	10.9	100.0	893
06&09	2.2	5.9	42.4	42.8	6.8	.5	.0	11.5	100.0	1119
12&15	2.1	3.0	44.6	44.1	6.1	.2	.0	11.7	100.0	1016
18&21	3.1	4.1	47.8	40.0	4.8	.3	.0	10.8	100.0	1070
TOT	95	199	1842	1700	250	12	0	11.2		4098
PCT	2.3	4.9	44.9	41.5	6.1	.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.1	.5	1.2	.9		6.0
NE	.7	.7	1.4	.4		4.7
E	.7	.7	1.2	.6		4.7
SE	.2	.7	.8	.4		5.1
S	1.4	1.1	2.2	1.4		5.0
SW	4.9	5.9	17.9	11.0		5.6
W	3.3	4.2	14.1	13.1		6.0
NW	.3	.5	2.3	2.7		6.5
VAR	.0	.0	.0	.0		.0
CALM	.2	.8	.2			4.8
TOT OBS	304	391	1088	788	2571	5.7
TOT PCT	11.8	15.2	42.3	30.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM) 4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	*	.0	.0	*	.7	.6	.0	.1	.1	.0	1.2	
NE	.0	.0	*	.1	.4	.6	*	*	.1	.0	1.9	
E	.0	.0	*	.1	.4	.7	.0	.0	.1	.0	1.9	
SE	.0	.0	*	*	.2	.3	.1	.0	*	*	1.2	
S	*	.0	.1	*	1.5	.5	.1	*	*	.0	3.8	
SW	.1	.1	.4	1.2	6.4	6.1	.4	.6	.6	.4	23.3	
W	.2	.1	.7	.9	7.8	5.9	.4	.2	.5	.5	17.6	
NW	.0	.0	*	.1	1.8	1.2	.2	.1	.2	*	2.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.1	.3	.4	.1	.0	.0	.0	1.1	
TOT OBS	9	5	33	67	503	417	32	26	42	24	1413	2571
TOT PCT	.4	.2	1.3	2.6	19.6	16.2	1.2	1.0	1.6	.9	55.0	100.0

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PERIOD: (PRIMARY) 1935-1971
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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	2.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6
= OR >5000	3.2	3.6	3.6	3.6	3.6	3.6	3.6	3.6
= OR >3500	4.5	4.8	4.8	4.8	4.8	4.8	4.8	4.8
= OR >2000	18.9	21.0	21.0	21.0	21.1	21.1	21.1	21.1
= OR >1000	33.7	40.0	40.5	40.5	40.6	40.6	40.6	40.6
= OR >600	35.1	42.1	43.0	43.2	43.2	43.2	43.2	43.2
= OR >300	35.7	43.1	44.1	44.3	44.4	44.5	44.5	44.5
= OR >150	35.8	43.3	44.3	44.5	44.6	44.7	44.7	44.7
= OR > 0	35.9	43.5	44.5	44.9	45.0	45.0	45.0	45.0
TOTAL	924	1119	1146	1155	1158	1159	1159	1158

TOTAL NUMBER OF OBS: 2575 PCT FREQ NM <5/8: 55.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.0	9.1	20.8	12.4	9.3	8.9	13.8	6.9	15.3	.3	2665

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	*	*	.0	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.0	*	.1	.0	.0	.0	.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.1	
1<2	PCP	.0	.0	.0	.0	.0	.1	.2	*	.0	.0	.4	
	NO PCP	.0	*	.0	.0	.0	.1	.1	.0	.0	.0	.2	
	TOT %	.0	*	.0	.0	.0	.2	.3	*	.0	.0	.6	
2<5	PCP	.0	*	.1	.0	.1	.1	.4	.1	.0	.0	.8	
	NO PCP	*	.0	.0	.0	*	.2	.4	.1	.0	.0	.7	
	TOT %	*	*	.1	0	.1	.4	.8	.1	.0	.0	1.5	
5<10	PCP	.2	.1	.1	*	*	1.3	1.3	.3	.0	.0	3.4	
	NO PCP	.2	.5	.3	.2	.8	5.4	4.1	.8	.0	.1	12.5	
	TOT %	.4	.6	.4	.3	.8	6.6	5.4	1.1	.0	.1	15.9	
10+	PCP	.1	.1	.1	.0	.1	1.0	.7	.2	.0	.1	2.3	
	NO PCP	2.1	2.2	2.4	1.6	5.0	33.0	26.8	4.6	.0	1.7	79.4	
	TOT %	2.2	2.2	2.5	1.6	5.1	34.0	27.5	4.9	.0	1.7	81.8	
	TOT OBS												3414
	TOT PCT	2.6	2.9	3.0	1.9	6.0	41.4	34.2	6.2	.0	1.8	100.0	

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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	*	.0	*	.0		.1	
	11-21	.0	.0	.0	.0	.0	*	*	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.1	.0	.0		.1	
	TOT %	.0	.0	.0	.0	.0	*	.1	*	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	*	*	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	*	*	.0	.0		.1	
	TOT %	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	*	*	.0	.0	.1	*	.0	.0		.2	
	11-21	.0	*	.0	.0	.0	.2	.3	*	.0		.5	
	22+	.0	.0	.0	.0	.0	*	.1	.0	.0		.1	
	TOT %	.0	*	*	.0	.0	.3	.3	*	.0	.0	.7	
	0-3	.0	.0	.0	.0	.0	.0	*	*	.0	*	.1	
2<5	4-10	.0	*	.1	.0	.1	.3	.4	.1	.0		1.1	
	11-21	*	.0	.0	*	*	.4	.5	*	.0		1.1	
	22+	.0	.0	.0	.0	*	.1	.1	.1	.0		.3	
	TOT %	*	*	.1	*	.2	.8	1.2	.2	.0	*	2.5	
	0-3	*	.1	.1	.1	.1	.1	.2	.1	.0	.1	.8	
5<10	4-10	.2	.4	.3	.2	.5	2.8	2.1	.7	.0		7.1	
	11-21	.2	.1	.1	.1	.2	3.1	2.6	.4	.0		6.7	
	22+	*	.0	.0	.0	*	.6	.5	*	.0		1.2	
	TOT %	.4	.6	.4	.3	.8	6.6	5.4	1.2	.0	.1	15.8	
	0-3	.5	.2	.2	.3	.4	1.1	.8	.3	.0	2.0	5.7	
10+	4-10	1.2	1.1	1.4	1.1	3.4	15.4	10.4	2.4	.0		36.4	
	11-21	.4	.9	.8	.3	1.4	15.3	13.2	1.6	.0		34.1	
	22+	*	*	.1	*	.1	2.0	2.0	.2	.0		4.6	
	TOT %	2.1	2.2	2.5	1.8	5.3	33.8	26.5	4.6	.0	2.0	80.7	
	TOT OBS												3726
	TOT PCT	2.6	2.8	3.0	2.1	6.3	41.5	33.5	6.0	.0	2.1	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET-MM >4/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00&03	.3	.3	1.1	1.9	18.7	17.2	2.2	.9	1.7	.5	44.9	55.1	632
06&09	.3	.3	1.5	2.8	18.1	18.7	1.5	.9	.9	.6	45.6	54.4	678
12&15	.4	.0	.7	2.5	20.2	14.4	.7	1.2	2.1	.7	43.0	57.0	684
18&21	.3	.2	1.8	3.2	19.8	13.6	.5	1.0	1.8	1.9	43.9	56.1	626
TOT	9	5	33	68	503	419	32	26	42	24	1161	1457	2618
PCT	.3	.2	1.3	2.6	19.2	16.0	1.2	1.0	1.6	.9	44.3	55.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.2	.3	1.1	11.3	87.1	622
06&09	.0	.0	.3	.9	10.0	88.4	662
12&15	.1	.3	.3	1.2	14.6	83.5	673
18&21	.0	.0	.3	1.8	17.6	80.4	321
TOT	1	3	11	32	343	2188	2578
PCT	*	.1	.4	1.2	13.3	84.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET-MM >4/8) BY HOUR

HOUR (GMT)	<150 <5OYD	<600 <1	<1000 <5	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00&03	.3	1.9	4.5	41.3	54.2	622
06&09	.3	2.0	5.3	41.4	53.3	662
12&15	.7	1.5	5.1	36.8	56.2	673
18&21	.5	2.8	6.9	36.2	54.9	621
TOT	12	50	140	1029	1409	2578
PCT	.5	1.9	5.4	39.9	54.7	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.1	.1	*	.0	5	2
90/94	.0	.0	.0	*	.7	.5	.4	.0	43	1.7
85/89	.0	.0	.0	.2	1.1	9.0	3.1	.8	362	14.1
80/84	.0	.0	.0	*	.7	16.0	44.3	13.7	1915	74.7
75/79	.0	.0	.0	.0	.0	.1	2.7	6.4	237	9.2
70/74	.0	.0	.0	0	.0	.0	.0	*	1	*
TOTAL	0	0	0	6	68	659	1294	536	2563	100.0
PCT	.0	.0	.0	.2	2.7	25.7	50.5	20.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
.1	*	.1	.1	.2	.4	.5	.1	.0	.1
.3	.9	.6	.6	1.3	5.7	3.8	.6	.0	.3
2.1	2.1	2.2	1.2	4.1	30.3	26.9	4.5	.0	1.2
.2	.2	.2	.1	.3	3.3	3.6	1.0	.0	.2
.0	.0	.0	.0	.0	*	.0	.0	.0	.0
2.8	3.2	3.2	2.0	6.0	39.9	34.8	6.3	.0	1.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	94	88	86	82	78	77	74	81.9	690
06&09	98	93	90	84	79	77	75	83.8	1107
12&15	90	88	85	82	79	76	73	81.9	1013
18&21	88	85	84	81	78	76	74	81.2	1068
TOT	98	90	87	82	78	76	73	82.2	4078

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.8	19.7	53.6	25.8	85	593
06&09	.0	.6	6.8	45.1	37.7	9.8	80	645
12&15	.0	.1	2.2	22.1	54.5	21.2	84	679
18&21	.0	.2	.6	16.0	56.0	27.2	86	655
TOT	0	6	68	663	1297	538	83	2572

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	[illegible]	85 88	89 92	93 96	TOT	W FOG	WO FOG
11/13	.0	.0	.2	.1	*	.1	21	.0	.6
9/10	.0	.0	.2	.2	.2	.1	22	.0	.7
7/8	.0	.2	.4	.4	.5	*	51	.0	1.6
6	.1	.2	.2	.6	.4	*	49	.0	1.5
5	*	.2	1.0	.9	.5	*	65	.0	2.6
4	*	.1	2.1	1.7	.2	.0	137	.0	4.2
3	*	*	1.7	1.5	.2	.0	113	.0	3.4
2	*	.6	6.6	2.4	.1	.0	320	.0	9.8
1	.0	.5	4.5	1.4	*	.0	213	.0	6.5
0	.1	1.1	15.6	1.2	.0	.0	589	.0	18.0
-1	.0	1.3	8.2	1.0	.0	.0	344	.0	10.5
-2	.0	3.5	10.7	.5	.0	.0	482	*	14.7
-3	.0	1.6	5.1	.2	.0	.0	226	.0	6.9
-4	.2	3.2	4.5	.1	.0	.0	265	.0	8.1
-5	.1	1.9	2.8	.1	.0	.0	158	.0	4.8
-6	*	2.0	.5	.0	.0	.0	80	.0	2.4
-7/-8	.2	2.0	.5	.0	.0	.0	88	.0	2.7
-9/-10	.2	.6	.1	.0	.0	.0	27	.0	.8
-11/-13	.1	.1	*	.0	.0	.0	6	.0	.2
TOTAL							3276		
PCT	.9	19.0	65.0	12.5	2.1	.3	100.0	*	99.9

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TABLE 18

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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	.0	.0	.0	.0	.8
1-2	.2	.6	.2	.0	.0	.0	1.0
3-4	.0	.2	.4	.1	.0	.0	.7
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.4	.7	.1	.0	.0	2.6

NE

1-3	4-10	11-21	22-33	34-47	48+	PCT
.2	.5	.1	.0	.0	.0	.8
*	.8	.6	.0	.0	.0	1.4
.0	.3	.7	.0	.0	.0	1.0
.0	.1	.2	.0	.0	.0	.2
.0	.0	.2	.0	.0	.0	.2
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.1	.0	.0	.1
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.2	1.5	1.3	.1	.0	.0	3.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.5	.0	.0	.0	.0	.6
1-2	.1	1.1	.7	.0	.0	.0	1.9
3-4	.0	.3	.4	.0	.0	.0	.6
5-6	.0	.1	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.9	1.2	.0	.0	.0	3.2

SE

1-3	4-10	11-21	22-33	34-47	48+	PCT
.2	.6	.0	.0	.0	.0	.8
.0	.5	.3	.0	.0	.0	.8
.0	.0	.3	.0	.0	.0	.3
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.2	1.1	.5	.0	.0	.0	1.9

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

AREA 0004 SAIGON
9.4N 107.4E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.8	.1	.0	.0	.0	1.1
1-2	.1	1.9	.7	.0	.0	.0	2.7
3-4	.0	.4	.5	.1	.0	.0	1.0
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.1	*	.0	0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	3.1	1.5	.2	.0	.0	5.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	3.2	.3	.0	.0	.0	4.0
1-2	.4	10.1	9.4	.0	.0	.0	20.0
3-4	.1	2.8	8.4	1.5	.0	.0	12.8
5-6	.0	.1	2.2	.8	.0	.0	3.2
7	.0	.1	1.1	.5	.0	.0	1.6
8-9	.0	.0	.2	.1	.0	.0	.3
10-11	.0	.0	*	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	16.3	21.7	3.0	.0	.0	42.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.4	.1	.0	.0	.0	3.0
1-2	.2	8.0	9.3	.0	.0	.0	17.5
3-4	*	1.9	6.6	1.3	.0	.0	9.8
5-6	.0	.2	1.8	.5	.1	.0	2.6
7	.0	.0	.3	.6	.0	.0	.9
8-9	.0	.0	.1	*	.0	.0	.2
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.1	.0	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	12.6	18.4	2.4	.1	.0	34.2

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.2	.1	.0	.0	.0	1.4
1-2	.1	2.1	1.3	.0	.0	.0	3.5
3-4	.0	.4	.8	.1	.0	.0	1.2
5-6	.0	*	.1	.1	.0	.0	.1
7	.0	.0	.0	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	3.7	2.3	.2	.0	.0	6.4

SEPTEMBER

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.4	9.8	.7	.0	.0	.0	13.8	
1-2	1.2	25.1	22.3	.0	.0	.0	48.7	
3-4	.1	6.2	17.9	3.0	.0	.0	27.2	
5-6	.0	.5	4.6	1.4	.1	.0	6.5	
7	.0	.1	1.6	1.2	.0	.0	2.9	
8-9	.0	.0	.4	.2	.0	.0	.6	
10-11	.0	.0	.1	.1	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.1	.0	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1722
TOT PCT	4.7	41.6	47.7	5.9	.1	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.5	36.6	24.3	6.0	1.7	.3	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1463	3
6-7	.5	1.9	4.6	2.6	1.3	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	231	4
8-9	.0	.2	1.2	.2	.9	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	54	5
10-11	.0	.1	.4	.3	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	30	6
12-13	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	5.8	1.9	1.9	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	204	1
TOTAL	215	808	646	190	88	24	12	3	2	1	0	0	0	0	0	0	0	0	0	1989	3
PCT	10.8	40.6	32.5	9.6	4.4	1.2	.6	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1855-1971

OCTOBER

AREA 0004 SAIGON
9.4N 107.2E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.3	.1	.1	.0	.0	.0	.0	.6		.1	.0	.1	.0		6.5	
NE	1.0	.4	.2	.0	.0	.0	.0	1.5		.5	.0	*	*		20.7	
E	1.0	.3	.3	.0	.0	.0	.0	1.6		.4	.0	.3	.0		18.3	
SE	.3	.1	.1	.0	.0	.0	.0	.5		.3	.0	*	.0		5.8	
S	.2	.1	.1	.0	.0	.0	.0	.4		.1	.0	.0	*		4.3	
SW	1.0	.2	.2	.0	.0	.0	.0	1.4		.1	.0	.1	.0		11.4	
W	.8	.2	.4	.0	.0	.0	.0	1.4		.2	*	.1	*		12.7	
NW	.4	.1	.3	.0	.0	.0	.0	.8		*	*	*	.0		5.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0	
CALM	.0	.0	.1	.0	.0	.0	.0	.1		.1	.0	.1	.0		3.7	
TOT OBS	166	52	65	0	0	0	0		279	63	1	24	3		2970	3338
TOT PCT	5.0	1.6	1.9	.0	.0	.0	.0	8.4		1.9	*	.7	.1		89.0	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	5.8	1.0	2.3	.0	.0	.0	.0	8.9		.1	.0	.5	.2		90.3	
06&09	3.6	2.0	1.1	.0	.0	.0	.0	6.6		.4	.0	1.0	.0		92.2	
12&15	5.9	1.6	2.6	.0	.0	.0	.0	10.0		4.5	.0	.7	.1		84.7	
18&21	4.6	1.8	1.8	.0	.0	.0	.0	7.9		2.9	.1	.7	.0		88.4	
TOT	167	54	65	0	0	0	0		282	67	1	24	3		3003	3378
PCT	4.9	1.6	1.9	.0	.0	.0	.0	8.3		2.0	*	.7	.1		88.9	

OCTOBER

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1855-1971

TABLE 3

AREA 0004 SAIGON
9.4N 107.2E

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	1.0	4.1	2.0	.4	.0	.0		7.4	9.3	9.7	10.3	7.5	7.1	4.9	6.0	7.3	8.6
NE	1.3	9.8	9.9	1.7	.1	.0		22.9	12.1	24.9	26.9	25.0	23.7	19.3	23.2	20.1	25.3
E	1.4	9.2	7.7	1.0	.0	.0		19.3	11.0	17.6	15.8	19.3	18.2	24.0	19.2	19.7	11.7
SE	1.0	4.9	.9	*	.0	.0		6.9	7.0	5.6	4.9	6.7	6.3	9.4	6.0	7.7	3.6
S	1.1	3.2	.7	*	.0	.0		5.1	6.8	3.9	4.9	4.7	8.4	5.9	4.3	5.2	4.4
SW	.9	8.1	3.9	.6	.1	.0		13.5	9.9	11.0	12.1	12.5	18.2	14.9	17.1	12.9	15.2
W	1.1	7.0	5.0	1.2	.1	.0		14.4	11.2	14.4	17.4	14.6	12.4	13.4	17.1	14.3	15.7
NW	.8	3.6	1.4	.2	*	.0		6.0	8.9	7.6	6.7	4.3	3.5	4.5	5.4	7.9	9.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.4							4.4	.0	5.5	1.1	5.2	2.2	3.7	1.6	4.9	6.5
TOT OBS	517	2003	1268	209	13	0	4010		9.9	727	184	822	272	783	184	776	262
TOT PCT	12.9	50.0	31.6	5.2	.3	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	3.1	3.3	1.0	.1	.0		7.4	9.3	9.8	7.4	5.1	7.6
NE	5.3	12.0	5.3	.3	*		22.9	12.1	25.3	24.7	20.1	21.4
E	4.8	10.9	3.4	.1	.0		19.3	11.0	17.2	19.0	23.1	17.7
SE	3.7	3.0	.2	.0	.0		6.9	7.0	5.4	8.6	8.8	6.7
S	2.8	2.2	.1	.0	.0		5.1	6.8	4.1	5.6	5.6	5.0
SW	4.6	7.3	1.4	.2	.0		13.5	9.9	11.2	13.9	15.3	13.5
W	4.0	7.6	2.7	.2	*		14.4	11.2	15.0	14.1	14.1	14.7
NW	2.4	3.0	.6	.1	.0		6.0	8.9	7.4	4.1	4.7	8.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.4						4.4	.0	4.6	4.5	3.3	5.3
TOT OBS	1410	3973	583	42	2	4010		9.9	911	1094	967	1038
TOT PCT	35.2	49.2	14.5	1.0	*		100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1855-1971

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.6	11.2	48.7	30.6	4.7	.1	.0	9.4	100.0	911
06&09	4.5	9.6	49.3	31.1	5.2	.4	.0	9.8	100.0	1094
12&15	3.3	5.8	50.6	34.1	5.7	.5	.0	10.5	100.0	967
18&21	5.3	7.3	51.2	30.7	5.2	.3	.0	9.8	100.0	1038
TOT	178	339	2003	1268	209	13	0	9.9		4010
PCT	4.4	8.5	50.0	31.6	5.2	.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.7	1.0	3.3	1.8		5.7
NE	3.3	4.6	9.0	5.1		5.3
E	3.7	4.5	8.9	5.0		5.2
SE	.8	1.2	3.6	1.5		5.5
S	.5	.8	2.2	1.3		5.7
SW	1.1	1.7	5.5	3.6		5.8
W	.9	1.8	5.8	5.7		6.2
NW	.4	.8	3.1	2.2		6.1
VAR	.0	.0	.0	.0		.0
CALM	.6	.8	2.2	.9		5.4
TOT OBS	298	424	1077	670	2469	5.6
TOT PCT	12.1	17.2	43.6	27.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM >4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.1	.4	1.2	1.5	.2	.1	.2	*	3.3	
NE	.1	.1	.2	.9	4.2	3.9	.3	.1	.1	.1	12.1	
E	*	.0	.2	.8	4.3	4.6	.3	.1	.2	.1	11.5	
SE	.0	.0	.1	.1	1.5	1.9	.1	*	.2	*	3.2	
S	.0	.1	.1	.2	1.0	.8	.0	*	.3	.0	2.3	
SW	*	*	.1	.3	3.0	2.2	.1	.1	.2	.1	5.7	
W	.0	*	.5	1.1	3.8	2.7	.4	.2	.2	.2	5.0	
NW	*	.0	.3	.4	1.8	1.6	.1	.1	.1	*	2.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	*	.1	.9	1.0	.1	.0	.2	.0	2.1	
TOT OBS	5	6	41	110	534	498	38	16	42	11	1168	2469
TOT PCT	.2	.2	1.7	4.5	21.6	20.2	1.5	.6	1.7	.4	47.3	100.0

OCTOBER

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1855-1971

AREA 0004 SAIGON
9.4N 107.2E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.9	2.1	2.1	2.1	2.1	2.1	2.1	2.1
= OR >5000	2.3	2.8	2.8	2.8	2.8	2.8	2.8	2.8
= OR >3500	3.6	4.3	4.3	4.3	4.3	4.3	4.3	4.3
= OR >2000	21.2	23.9	24.1	24.3	24.3	24.3	24.3	24.3
= OR >1000	36.4	44.7	45.4	45.8	45.8	45.8	45.8	45.8
= OR >600	39.4	48.8	49.7	50.1	50.1	50.1	50.2	50.2
= OR >300	40.1	50.1	51.2	51.8	51.8	51.8	51.9	51.9
= OR >150	40.3	50.3	51.5	52.0	52.0	52.1	52.1	52.1
= OR > 0	40.3	50.4	51.6	52.1	52.1	52.2	52.3	52.3
TOTAL	1003	1254	1284	1298	1298	1300	1301	1302

TOTAL NUMBER OF OBS: 2409 PCT FREQ NH <5/8: 47.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
2.3	6.1	15.7	12.3	11.6	9.6	14.8	8.9	18.4	.3	2595

OCTOBER

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1955-1971

AREA 0004 SAIGON
9.4N 107.2E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	*	.0	.0	.0	.1	.1	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	*	.0	.0	.0	.1	.1	.0	.0	.0	.2	
1/2<1	PCP	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1<2	PCP	.0	.1	.1	*	.0	.1	.2	*	.0	.0	.5	
	NO PCP	.0	.1	.0	*	.0	*	*	*	.0	.0	.2	
	TOT %	.0	.1	.1	*	.0	.2	.2	.1	.0	.0	.7	
2<5	PCP	.1	.2	.2	*	.0	.2	.2	.1	.0	.0	.9	
	NO PCP	.1	.2	.1	*	.1	.1	.1	.1	.0	.0	.7	
	TOT %	.2	.4	.3	*	.1	.3	.3	.1	.0	.0	1.7	
5<10	PCP	.2	.4	.6	.2	.1	.5	.7	.4	.0	.1	3.1	
	NO PCP	1.2	3.5	2.7	1.0	.7	1.9	2.0	1.1	.0	.4	14.5	
	TOT %	1.4	3.9	3.3	1.2	.8	2.3	2.7	1.5	.0	.4	17.6	
10+	PCP	.3	.7	.7	.2	.3	.5	.3	.3	.0	.1	3.5	
	NO PCP	5.4	17.5	16.2	5.1	3.7	9.7	10.3	4.3	.0	3.4	76.3	
	TOT %	5.7	18.3	17.0	5.3	3.9	10.2	11.3	4.6	.0	3.5	79.8	
	TOT OBS												3334
	TOT PCT	7.3	22.8	20.6	6.6	4.9	13.1	14.4	6.3	.0	4.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1855-1971

AREA 0004 SAIGON
9.4N 107.2E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (MM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	*	.0	.0	.0	*	*	.0	.0		.1	
	11-21	*	.1	*	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	*	.1	.0	.0		.1	
	TOT %	*	.1	*	.0	.0	.1	.1	.0	.0	.0	.3	
1/2<1	0-3	.0	*	.0	.0	.0	.0	.0	*	.0	.0	.1	
	4-10	*	*	.0	.0	.0	.0	.0	*	.0		.1	
	11-21	.0	.0	.0	.0	.0	0	.0	.0	.0		.0	
	22+	.0	*	*	.0	.0	.0	.0	.0	.0		.1	
	TOT %	*	.1	*	.0	.0	.0	.0	.1	.0	.0	.2	
1<2	0-3	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
	4-10	*	.1	.1	*	.0	.1	*	*	.0		.4	
	11-21	*	.1	.0	.0	.0	*	.1	*	.0		.2	
	22+	.0	.1	.0	.0	.0	.1	.2	*	.0		.3	
	TOT %	.1	.2	.1	.1	.0	.2	.2	.1	.0	.0	.9	
2<5	0-3	.0	.0	.1	*	*	.0	.0	.0	.0	.0	.1	
	4-10	.1	.1	.2	.1	.1	.3	.3	.2	.0		1.2	
	11-21	.2	.4	.1	.0	.0	.1	.1	*	.0		.9	
	22+	*	*	*	.0	.0	*	*	*	.0		.2	
	TOT %	.3	.6	.4	.1	.1	.4	.4	.2	.0	.0	2.5	
5<10	0-3	.1	.1	.2	.1	.2	.1	.1	.2	.0	.5	1.6	
	4-10	.6	1.1	1.2	.9	.5	1.4	1.2	.8	.0		7.7	
	11-21	.6	2.2	1.7	.1	.1	.8	1.2	.5	.0		7.2	
	22+	.2	.6	.2	.0	.0	*	.2	.1	.0		1.2	
	TOT %	1.5	4.0	3.3	1.1	.8	2.3	2.7	1.5	.0	.5	17.7	
10+	0-3	.8	1.0	1.2	.9	.8	.8	.9	.6	.0	3.5	10.5	
	4-10	3.4	8.3	8.3	3.9	2.7	6.0	5.5	2.8	.0		40.8	
	11-21	1.1	7.4	6.3	.8	.7	2.7	3.6	.9	.0		23.6	
	22+	.2	1.2	.7	*	*	.6	.8	.1	.0		3.6	
	TOT %	5.5	17.9	16.5	5.6	4.1	10.1	10.8	4.3	.0	3.5	78.4	
	TOT OBS												3617
	TOT PCT	7.3	22.9	20.3	6.9	5.1	13.1	14.2	6.2	.0	4.0	100.0	

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PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1855-1971

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >4/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00&03	.2	.0	1.9	3.6	20.1	19.3	1.4	1.2	1.4	.5	49.5	50.5	646
06&09	.0	.6	1.4	4.9	22.2	22.6	1.9	.0	.8	.0	54.4	45.6	634
12&15	.2	.5	1.6	4.8	20.5	19.1	1.1	.5	3.0	.5	51.8	48.4	643
18&21	.5	.0	1.7	4.0	21.3	17.0	1.6	.8	1.4	.8	49.0	51.0	630
TOT	5	7	42	110	537	498	38	16	42	11	1306	1247	2553
PCT	.2	.3	1.6	4.3	21.0	19.5	1.5	.6	1.6	.4	51.2	48.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.6	1.4	15.2	82.8	633
06&09	.3	.0	.5	1.3	11.5	86.4	618
12&15	.2	.0	.5	1.9	16.4	81.0	627
18&21	.2	.0	.8	1.1	18.2	79.7	615
TOT	4	0	15	36	382	2056	2493
PCT	.2	.0	.6	1.4	15.3	82.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >4/8) ANY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00&03	.3	2.2	7.1	45.8	49.3	633
06&09	.2	2.4	8.3	47.6	44.2	618
12&15	.2	2.2	8.6	44.7	46.7	627
18&21	.6	2.6	8.1	42.6	49.3	615
TOT	9	59	200	1112	1181	2493
PCT	.4	2.4	8.0	44.6	47.4	100.0

PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1855-1971

AREA 0004 SAIGON
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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.1	.3	.1	.0	.0	12	.5
90/94	.0	.0	.0	.2	1.2	1.0	.7	*	78	3.1
85/89	.0	.0	.0	*	1.7	6.3	3.5	1.4	323	13.0
80/84	.0	.0	.0	*	1.5	14.3	38.1	15.4	1729	69.4
75/79	.0	.0	.0	.0	*	.8	3.9	9.3	350	14.0
70/74	.0	.0	.0	.0	.0	.0	.0	*	1	*
TOTAL	0	0	0	9	117	562	1153	652	2493	100.0
PCT	.0	.0	.0	.4	4.7	22.5	46.2	26.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	*	.1	.1	.2	*	*	*	.0	.1
.1	.5	.8	.2	.2	.4	.4	.1	.0	.4
.5	2.9	2.9	1.5	.9	1.2	1.3	.7	.0	.6
4.6	16.0	16.3	4.9	2.7	8.3	9.2	4.1	.0	2.7
1.6	3.0	2.3	.6	.6	1.7	2.3	1.5	.0	.8
.0	*	*	.0	.0	.0	.0	.0	.0	.0
7.1	22.4	22.3	7.3	4.5	11.6	13.9	6.4	.0	4.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	97	90	86	82	77	75	72	81.5	913
06&09	97	95	91	83	78	75	72	83.8	1085
12&15	96	87	85	82	77	75	72	81.6	971
18&21	88	85	83	81	77	75	72	80.7	1042
TOT	97	92	87	82	77	75	72	81.9	4011

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.3	2.7	17.6	49.4	29.9	85	619
06&09	.0	.8	12.9	35.3	35.8	15.2	80	606
12&15	.0	.2	2.5	24.5	46.9	26.0	84	646
18&21	.0	.2	1.1	13.9	52.5	32.3	86	653
TOT	0	9	118	572	1169	656	84	2524

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PERIOD: (PRIMARY) 1935-1971
(OVER-ALL) 1855-1971

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
11/13	.0	.0	.0	*	.0	*	.3	13	.0	.4
9/10	.0	.0	*	.0	.1	.3	.5	30	.0	.9
7/8	.0	.0	.0	*	.1	.5	.2	25	.0	.8
6	.0	.0	.0	.1	.2	.7	.0	30	.0	.9
5	.0	.0	.1	.3	.7	.6	.0	52	.0	1.6
4	.0	.0	.2	.8	1.0	.2	.0	71	.0	2.2
3	.0	.0	.1	.5	.9	.3	.0	55	.0	1.7
2	.0	.0	.2	4.8	2.2	.2	.0	238	.0	7.4
1	.0	.0	.2	3.1	1.7	.1	.0	161	.0	5.0
0	.0	.0	2.2	13.0	1.3	.0	.0	528	*	16.5
-1	.0	.0	.9	6.6	1.3	*	.0	285	.0	8.9
-2	.0	*	4.4	11.5	.3	.1	.0	525	.0	16.4
-3	.0	.1	2.0	5.5	.3	*	.0	255	.0	8.0
-4	.0	.5	5.8	5.6	.1	*	.0	385	.0	12.0
-5	*	.4	2.8	3.6	.1	.0	.0	221	.0	6.9
-6	.0	.2	2.6	1.4	.0	.0	.0	134	.0	4.2
-7/-8	.1	.7	2.6	.9	.0	.0	.0	136	.0	4.2
-9/-10	*	.3	.7	.3	.0	.0	.0	44	.0	1.4
-11/-13	.0	.1	.1	.2	.0	.0	.0	12	.0	.4
-14/-18	*	*	.0	.0	.0	.0	.0	2	.0	.1
TOTAL								3203		
PCT	.2	2 3	25.0	58.3	10.1	3.1	.9	100.0	*	99.9

PERIOD: (OVER-ALL) 1963-1971

OCTOBER

TABLE 18

AREA 0004 SAIGON
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.3	.0	.0	.0	.0	1.4
1-2	.3	2.6	4	.0	.0	.0	3.3
3-4	.0	.3	.8	.1	.0	.0	1.2
5-6	.0	.1	.2	.1	.0	.0	.3
7	.0	.1	.1	.0	.0	.0	.2
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	4.3	1.7	.2	.0	.0	6.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	2.3	*	.0	.0	.0	2.6
1-2	.2	7.2	4.0	.0	.0	.0	11.4
3-4	.0	1.6	4.6	.6	.0	.0	6.8
5-6	.0	.1	1.6	.2	.1	.0	2.0
7	.0	.1	1.0	.3	.0	.0	1.4
8-9	.0	.1	.0	.2	.1	.0	.4
10-11	.0	.0	.1	*	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	11.5	11.3	1.4	.1	.0	24.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.5	.2	.0	.0	.0	2.0
1-2	.5	[illegible]	4.3	.6	.0	.0	12.1
3-4	.0	2.6	5.0	.9	.0	.0	8.5
5-6	.0	.1	1.4	.2	.0	.0	1.7
7	.0	.2	.8	.5	.0	.0	1.5
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	11.7	11.8	1.7	.0	.0	26.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.3	*	.0	.0	.0	1.6
1-2	.2	2.6	.6	.0	.0	.0	3.5
3-4	.0	1.0	.3	.0	.0	.0	1.4
5-6	.0	.1	.2	*	.0	.0	.3
7	.0	.0	*	0	0	.0	*
8-9	.0	.0	.0	0	.0	.0	.0
10-11	.0	.0	.0	0	.0	.0	.0
12	.0	.0	.0	.0	0	.0	.0
13-16	.0	.0	.0	0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	5	5.0	1.1	*	.0	.0	6.6

PERIOD (OVER-ALL) 1963-1971

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TABLE 18

AREA 0004 SAIGON 5.4N 107.2E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	.1	.0	.0	.0	.9
1-2	.1	1.7	.4	.0	.0	.0	2.3
3-4	.1	.1	.2	.0	.0	.0	.4
5-6	.0	.1	.1	.0	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	2.6	.8	.0	.0	.0	3.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.0	*	.0	.0	.0	2.7
1-2	.4	3.5	1.6	.0	.0	.0	5.5
3-4	*	1.3	1.7	.1	.0	.0	3.1
5-6	.0	.1	.4	.1	.0	.0	.5
7	.0	0	.2	.2	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	6.9	3.8	.3	.0	.0	12.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.8	.1	.0	.0	.0	2.4
1-2	.1	3.1	2.8	.0	.0	.0	6.0
3-4	.0	1.0	1.9	.6	.0	.0	3.5
5-6	.0	.1	.5	.1	.0	.0	.6
7	.0	.0	.2	.3	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	0	.0	.0	.1	.0	.0	.1
17-19	0	.0	.0	.0	.0	.0	.0
20-22	.0	0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	0	.0	.0	.0	.0
41-48	0	.0	0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	0	0	.0	.0	.0	.0	.0
71-86	0	0	.0	.0	.0	.0	.0
87+	0	0	0	.0	.0	.0	.0
TOT PCT	.5	6.0	5.6	1.1	.0	.0	13.2

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.1	.0	.0	.0	.0	1.5
1-2	.2	1.9	.8	.0	.0	.0	3.0
3-4	.0	.1	.4	.1	.0	.0	.6
5-6	.0	*	.1	.0	.0	.0	.1
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	3.2	1.5	.1	.0	.0	5.4

OCTOBER

PERIOD: (OVER-ALL) 1963-1971

AREA 0004 SAIGON
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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.1	12.1	.4	.0	.0	.0	17.5	
1-2	2.1	29.6	14.9	.0	.0	.0	46.6	
3-4	.1	8.0	14.7	2.3	.0	.0	25.0	
5-6	.0	.7	4.4	.6	.1	.0	5.8	
7	.0	.3	2.5	1.3	.0	.0	4.1	
8-9	.0	.1	.1	.3	.1	.0	.5	
10-11	.0	.0	.1	.2	.0	.0	.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	7.2	50.8	37.1	4.8	.1	.0	100.0	1493

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	7.1	24.0	25.8	5.5	2.1	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1334	3
6-7	.0	1.5	2.8	2.8	2.1	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	178	5
8-9	.0	.2	.4	.4	.5	.3	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	6
10-11	.0	.1	.1	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	7
12-13	.0	.0	.1	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	8
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	4.0	4.2	2.4	.5	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	204	2
TOTAL	197	710	560	165	90	25	20	3	4	0	0	0	0	0	0	0	0	0	0	1774	3
PCT	11.1	40.0	31.6	9.3	5.1	1.4	1.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1858-1971

AREA 0004 SAIGON
9.4N 107.3E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.4	.3	.2	.0	.0	.0	.0	.9		.1	.0	.2		.1	9.7	
NE	1.1	.7	.4	.0	.0	.0	.0	2.2		.6	*	.6		*	36.2	
E	.8	.3	.2	.0	.0	.0	.0	1.3		.6	.0	.6		.1	27.2	
SE	.2	*	.1	.0	0	.0	.0	.3		.1	.0	.0		.0	5.4	
S	*	.1	.0	.0	.0	.0	.0	.1		.1	.0	*		.0	1.8	
SW	.2	*	.1	.0	.0	.0	.0	.3		*	.0	*		.0	2.4	
W	.2	.1	*	.0	.0	.0	.0	.3		.1	.0	.1		.0	2.0	
NW	.3	.0	.1	.0	.0	.0	.0	.3		*	.0	.1		.0	3.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.1	
CALM	*	.0	.1	.0	.0	.0	.0	.1		*	.0	.1		.0	2.8	
TOT OBS	97	48	38	0	0	0	0		181	49	1	56		4	2834	3124
TOT PCT	3.1	1.5	1.2	.0	.0	.0	0	5.8		1.6	*	1.8		.1	90.7	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	DRZL	PRECIPITATION TYPE FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	3.2	1.4	1.0	.0	.0	.0	.0	5.7		.0	.0	2.5		.3	91.6	
06&09	2.6	1.2	1.2	.0	.0	.0	.0	4.9		.0	.0	2.2		.1	92.7	
12&15	3.1	1.0	1.4	.0	.0	.0	.0	5.3		3.8	.1	1.2		.0	89.5	
18&21	3.4	2.5	1.3	.0	.0	.0	.0	7.0		2.4	.0	1.3		.1	89.4	
TOT	97	48	38	0	0	0	0		181	50	1	56		4	2860	3151
PCT	3.1	1.5	1.2	.0	.0	.0	.0	5.7		1.6	*	1.8		.1	90.8	

PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1858-1971

AREA 0004 SAIGON
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TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.6	3.8	4.2	2.3	.5	.1		11.4	15.7	13.5	14.7	12.1	9.9	9.4	10.8	11.0	11.4
NE	1.0	10.5	21.0	7.3	.7	*		40.6	15.5	41.4	48.1	39.3	50.3	34.3	48.0	36.9	49.9
E	1.2	10.1	13.8	3.0	.1	*		28.2	13.2	25.8	21.9	27.5	22.9	33.7	25.4	31.8	22.2
SE	.7	3.7	1.1	.1	.0	.0		5.5	8.4	4.0	5.6	6.4	4.5	7.0	3.9	5.4	4.8
S	.5	1.3	.3	.1	.0	.0		2.2	7.0	1.5	.6	1.3	3.6	3.7	2.9	1.8	2.0
SW	.4	2.0	.6	.1	.0	.0		3.0	8.0	2.1	1.1	3.1	4.6	4.0	2.0	3.0	2.2
W	.4	1.7	.5	*	.0	*		2.6	8.2	3.3	3.1	2.9	2.0	1.8	1.8	2.7	2.9
NW	.6	1.9	.9	.1	*	.0		3.5	8.8	5.1	4.4	3.7	1.5	2.6	2.2	3.7	2.8
VAR	.0	.1	.0	.0	.0	.0		.1	4.0	.1	.0	.0	.0	.0	.0	.1	.0
CALM	3.0							3.0	.0	3.1	.6	3.7	.7	3.5	2.9	3.7	1.8
TOT OBS	324	1362	1633	499	54	8	3880		13.2	679	180	756	302	767	171	753	272
TOT PCT	8.4	35.1	42.1	12.9	1.4	.2		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.0	4.8	3.1	1.2	.3		11.4	15.7	13.8	11.5	9.7	11.1
NE	3.6	19.9	14.6	2.3	.2		40.6	15.5	42.8	42.4	36.8	40.3
E	4.5	15.2	7.6	.8	*		28.2	13.2	25.0	26.2	32.2	29.2
SE	2.0	3.2	.3	*	.0		5.5	8.4	4.3	5.8	6.4	5.2
S	1.3	.8	.1	.0	.0		2.2	7.0	1.3	2.0	3.5	1.8
SW	1.4	1.5	.1	*	.0		3.0	8.0	1.9	3.5	3.7	2.8
W	1.1	1.4	.1	.0	*		2.6	8.2	3.3	2.6	1.8	2.8
NW	1.5	1.6	.3	*	*		3.5	8.8	5.0	3.1	2.5	3.4
VAR	.1	.0	.0	.0	.0		.1	4.0	.1	.0	.0	.1
CALM	3.0						3.0	.0	2.6	2.8	3.4	3.2
TOT OBS	795	1878	1016	168	23	3880		13.2	859	1058	938	1025
TOT PCT	20.5	48.4	26.2	4.3	.6		100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1858-1971

AREA 0004 SAIGON
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

	WIND SPEED (KNOTS)									
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.6	6.9	34.1	42.7	12.0	1.3	.5	13.1	100.0	858
06&09	2.8	4.2	36.2	41.0	14.1	1.5	.2	13.4	100.0	1058
12&15	3.4	5.4	34.3	41.2	13.9	1.7	.1	13.5	100.0	938
18&21	3.2	5.2	35.4	43.7	11.4	1.1	.1	12.9	100.0	1024
TOT	117	207	1360	1633	499	54	8	13.2		3878
PCT	3.0	5.3	35.1	42.1	12.9	1.4	.2		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.7	1.4	3.3	4.0		5.6
NE	7.5	6.8	15.1	7.3		5.0
E	6.3	6.6	13.5	5.4		4.9
SE	.7	1.3	3.1	.9		5.2
S	.2	.4	1.0	.3		5.4
SW	.2	.5	1.3	.7		5.5
W	.2	.4	1.3	.7		5.8
NW	.3	.6	1.7	1.5		6.2
VAR	*	0	*	.0		3.5
CALM	.6	.9	1.6	.5		4.9
TOT OBS	417	443	987	500	2347	5.1
TOT PCT	17.8	18.9	42.1	21.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH) >4/8) AND OCCURRENCE OF MH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MH <5/8 ANY HGT	TOTAL OBS
N	*	0	.2	.2	1.7	2.4	.1	.0	.1	.2	5.5	
NE	.2	*	.2	1.3	5.1	6.1	.3	.1	.3	.1	22.9	
E	.0	*	.4	.3	4.2	6.6	.4	.2	.4	.3	19.0	
SE	.0	*	.1	*	.7	1.1	.3	.1	.1	.1	3.5	
S	*	.0	*	*	.1	.4	.0	*	.1	.0	1.1	
SW	*	.0	*	.1	.3	.5	.1	*	.0	.0	1.7	
W	.0	.0	.0	*	.5	.8	.0	.0	*	*	1.2	
NW	.0	.0	*	.2	.6	1.3	.2	.0	.1	.1	1.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
CALM	.0	.0	*	*	.3	.5	.1	*	3	*	2.3	
TOT OBS	7	3	24	53	317	480	34	11	13	21	1384	2347
TOT PCT	.3	.1	1.0	2.3	13.5	19.6	1.4	.5	1.4	.9	59.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1858-1971

AREA 0004 SAIGON
9.4N 107.3E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
= OR >5000	2.2	2.7	2.7	2.7	2.7	2.7	2.7	2.7
= OR >3500	3.5	4.1	4.2	4.2	4.2	4.2	4.2	4.2
= OR >2000	20.4	23.5	23.6	23.6	23.6	23.6	23.6	23.6
= OR >1000	28.8	36.5	37.0	37.0	37.0	37.0	37.0	37.0
= OR >600	30.0	38.5	39.2	39.3	39.3	39.3	39.3	39.3
= OR >300	30.4	39.3	40.1	40.3	40.3	40.3	40.3	40.3
= OR >150	30.5	39.4	40.2	40.4	40.4	40.4	40.5	40.5
= OR > 0	30.7	39.6	40.5	40.7	40.7	40.7	40.8	40.8
TOTAL	726	937	958	964	964	964	965	965

TOTAL NUMBER OF OBS: 2368 PCT FREQ NM <5/8: 59.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.2	8.3	19.4	13.2	12.3	10.5	12.3	6.1	11.5	.3	2471

NOVEMBER

PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1858-1971

AREA 0004 SAIGON
9.4N 107.3E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	*	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	*	*	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	PCP	*	*	.1	*	.0	.0	*	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	*	.1	*	.0	.0	*	.0	.0	.0	.2	
1<2	PCP	*	.1	.1	.0	.0	.0	.0	*	.0	.0	.2	
	NO PCP	*	*	*	*	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.1	.1	.1	*	.0	.0	.0	*	.0	.0	.3	
2<5	PCP	.2	.3	.1	*	*	.1	*	*	.0	.0	.8	
	NO PCP	*	.4	*	.0	.0	.0	*	.0	.0	.0	.5	
	TOT %	.2	.7	.2	*	*	.1	.1	*	.0	.0	1.3	
5<10	PCP	.5	.9	.4	.1	.0	.1	.1	.1	.0	*	2.3	
	NO PCP	1.8	7.6	5.5	.7	.3	.4	.4	.5	.0	.3	17.6	
	TOT %	2.4	8.5	5.9	.8	.3	.5	.5	.7	.0	.3	19.9	
10+	PCP	.1	.8	.6	.2	.1	.1	.1	.1	.0	.1	2.2	
	NO PCP	8.1	29.4	22.8	4.7	1.5	2.1	1.8	2.8	.1	2.7	76.0	
	TOT %	8.2	30.2	23.4	4.9	1.6	2.2	1.9	3.0	.1	2.7	78.2	
	TOT OBS												3124
	TOT PCT	10.9	39.6	29.7	5.8	2.0	2.8	2.4	3.7	.1	3.0	100.0	

PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1858-1971

AREA 0004 SAIGON
9.4N 107.3E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	*	*	.0	.0	.0	.0	.0	.0		.1	
	22+	*	*	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	*	*	*	.0	.0	.0	.0	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	*	.0	.0	.0	.0	.0	.0		*	
	11-21	*	.1	*	*	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	*	.0	.0		*	
	TOT %	*	.1	.1	*	.0	.0	*	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	*	.0	*	.0		.1	
	11-21	.0	.2	.1	*	.0	.0	.0	.0	.0		.3	
	22+	.1	*	.0	.0	.0	*	.0	.0	.0		.1	
	TOT %	.1	.2	.1	*	.0	.1	.0	*	.0	.0	.4	
	0-3	*	*	*	.0	.0	.0	.0	.0	.0	*	.1	
2<5	4-10	*	.2	.1	.1	.1	.1	*	.0	.0		.6	
	11-21	.1	.8	.3	.0	.0	*	*	*	.0		1.2	
	22+	.2	.4	*	.0	.0	.0	*	*	.0		.7	
	TOT %	.3	1.5	.4	.1	.1	.1	.1	*	.0	*	2.6	
	0-3	.1	.2	.2	.1	*	.1	.1	.1	.0	.3	1.2	
5<10	4-10	.5	1.5	1.5	.3	.2	.3	.3	.4	.0		5.1	
	11-21	.7	4.3	3.1	.3	*	.1	.1	.1	.0		8.6	
	22+	.8	2.6	1.0	*	.0	*	.0	.1	.0		4.6	
	TOT %	2.2	8.5	5.8	.8	.3	.6	.5	.6	.0	.3	19.5	
	0-3	.5	.8	1.0	.5	.4	.3	.3	.5	.0	2.6	7.0	
10+	4-10	3.2	8.3	8.5	3.3	1.1	1.7	1.3	1.6	.1		29.0	
	11-21	3.1	16.2	10.9	.8	.2	.4	.3	.7	.0		32.6	
	22+	1.5	4.9	2.2	*	.0	.0	.0	*	.0		8.6	
	TOT %	8.2	30.3	22.6	4.7	1.7	2.3	1.9	2.8	.1	2.6	77.2	
	TOT OBS												3507
	TOT PCT	10.8	40.5	29.0	5.5	2.1	3.1	2.5	3.5	.1	3.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1858-1971

AREA 0004 SAIGON
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.2	.3	1.2	3.0	14.2	21.1	1.8	.3	1.5	1.3	44.8	55.2	607
06&09	.5	.0	1.5	2.3	15.5	18.5	2.2	.3	1.2	1.0	42.9	57.1	601
12&15	.2	.2	1.0	1.8	11.8	19.3	.0	.8	1.3	.6	37.6	62.4	628
18&21	.3	.0	.5	1.7	10.7	16.9	.8	.3	1.5	.5	33.4	66.6	596
TOT	7	3	25	53	417	461	34	11	33	21	965	1467	2432
PCT	.3	.1	1.0	2.2	13.0	19.0	1.4	.5	1.4	.9	39.7	60.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (KM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	0	.2	3	1.0	18.0	80.5	594
06&09	2	.0	.5	1.4	15.9	82.0	577
12&15	.0	0	.2	1.8	21.0	77.1	615
18&21	.0	.0	.2	1.0	19.6	79.2	586
TOT	1	1	7	31	443	1889	2372
PCT	*	*	.3	1.3	18.7	79.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.3	1.9	5.9	40.2	53.9	594
06&09	.7	2.3	5.2	39.5	55.3	577
12&15	.3	1.5	4.4	34.8	60.8	615
18&21	.7	1.2	3.9	31.2	64.8	586
TOT	12	40	115	864	1393	2372
PCT	.5	1.7	4.8	36.4	58.7	100.0

PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1858-1971

AREA 0004 SAIGON
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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.1	.0	.1	.0	.0	4	.2
90/94	.0	.0	.0	.2	.6	.6	.4	.0	43	1.8
85/89	.0	.0	.0	.1	2.2	3.9	2.7	.6	232	9.5
80/84	.0	.0	.0	.0	2.7	18.9	32.2	11.2	1589	65.0
75/79	.0	.0	.0	.0	.2	4.2	10.6	7.8	556	22.7
70/74	.0	.0	.0	.0	.0	.1	.3	.5	21	.9
TOTAL	0	0	0	10	138	679	1129	489	2445	100.0
PCT	.0	.0	.0	.4	5.6	27.8	46.2	20.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.1	*	.0	.0	.0	.0	.0	.0	*
	.1	.5	.4	.1	*	.1	*	.1	.0	.3
	.5	2.5	3.5	1.2	.1	.3	.3	.3	.0	.7
	5.5	24.7	22.2	3.4	1.4	2.1	1.6	2.1	.1	1.9
	4.6	8.3	5.5	1.2	.2	.4	.6	1.2	.0	.6
	.4	.1	.0	*	.0	.1	*	.3	.0	.0
	11.1	36.1	31.7	6.0	1.8	3.0	2.6	4.1	.1	3.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	95	88	85	81	76	74	71	80.7	861
06&09	95	93	89	82	77	74	73	82.8	1036
12&15	90	86	84	81	76	74	70	80.5	940
18&21	89	84	82	80	76	75	71	79.8	1027
TOT	95	90	86	81	77	74	70	81.0	3864

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	2.3	25.1	49.6	22.9	84	597
06&09	.0	1.5	15.8	36.8	35.6	10.3	78	590
12&15	.0	.2	3.6	29.1	46.4	20.7	83	642
18&21	.0	.0	1.6	20.6	52.7	25.1	85	637
TOT	0	10	140	685	1140	491	83	2466

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PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1858-1971

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.0	*	1	.0	*
11/13	.0	.0	.0	.1	*	.1	.2	11	.0	.4
9/10	.0	.0	.0	.1	.0	.1	.3	14	.0	.5
7/8	.0	.0	*	.2	.2	.5	.1	32	.0	1.1
6	.0	.0	.0	.1	.3	.2	.0	13	.0	.6
5	.0	.0	.1	.5	1.2	.4	.0	55	.0	2.2
4	.0	.0	.4	1.9	1.2	.2	.0	110	.0	3.7
3	.0	.0	.2	1.2	1.1	.1	.0	77	.0	2.6
2	.0	.1	1.0	5.4	1.2	.0	.0	230	.0	7.8
1	.0	.0	1.0	4.8	1.3	*	.0	211	*	7.1
0	.0	.3	5.6	10.5	.8	.3	.0	506	.0	17.1
-1	.0	.1	3.1	5.7	.6	.0	.0	282	.0	9.5
-2	.0	.3	8.3	6.6	.1	.0	.0	449	.0	15.2
-3	.0	.4	4.4	3.7	*	.0	.0	255	.0	8.6
-4	.0	.7	5.0	3.9	*	.0	.0	286	.0	9.7
-5	*	.5	4.2	1.8	.0	.0	.0	192	.0	6.5
-6	.1	.8	2.1	.6	.0	.0	.0	104	.0	3.5
-7/-8	.1	.7	1.4	.6	.0	.0	.0	83	.0	2.8
-9/-10	*	.4	.4	.0	.0	.0	.0	25	.0	.8
-11/-13	.0	.2	.0	.0	.0	.0	.0	5	.0	.2
TOTAL								2956		
PCT	.2	4.5	37.3	47.6	8.1	1.8	.6	100.0	*	100.0

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18

AREA 0004 SAIGON
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.4	.0	.0	.0	.0	1.7
1-2	.1	1.5	1.1	.0	.0	.0	2.8
3-4	.0	.4	2.0	.3	.0	.0	2.7
5-6	.0	.3	.4	.5	.1	.0	1.3
7	.0	.0	.2	.2	.1	.0	.5
8-9	.0	.0	.1	.2	.3	.0	.6
10-11	.0	.0	.1	.3	.1	.2	.6
12	.0	.0	.0	.2	.0	.0	.2
13-16	.0	.0	.0	.3	.0	.0	.3
17-19	.0	.0	.0	.1	.1	.1	.2
20-22	.0	.0	.0	.0	.1	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.6	3.9	2.0	.7	.2	10.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.3	.0	.0	.0	.0	1.6
1-2	*	4.3	6.8	.0	.0	.0	11.2
3-4	.1	1.4	9.2	2.0	.0	.0	12.8
5-6	.1	.5	4.0	2.3	.0	.0	6.8
7	.0	*	1.5	1.4	.2	.1	3.2
8-9	.0	.0	.5	1.1	.2	.0	1.7
10-11	.0	.0	.2	.4	.0	.0	.5
12	.0	.0	.1	.1	.0	.0	.2
13-16	.0	.0	.1	.4	.3	.0	.7
17-19	.0	.0	.0	.0	0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	7.6	22.2	7.7	.6	.1	38.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	2.7	.0	.0	.0	.0	3.0
1-2	.2	5.7	7.4	.0	.0	.0	13.3
3-4	.0	2.4	6.9	1.1	.0	.0	10.4
5-6	.0	.3	2.7	1.0	.0	.0	4.0
7	.0	.1	1.8	.9	.1	.0	2.8
8-9	.0	.0	.2	.7	.1	.0	.9
10-11	.0	.0	.1	.5	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	*	*	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	11.3	19.1	4.2	.2	.0	35.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.5	.0	.0	.0	.0	1.6
1-2	.1	1.4	.9	.0	.0	.0	2.4
3-4	.1	1.1	.3	.1	.0	.0	1.4
5-6	.0	.1	.1	.0	.0	.0	.1
7	.0	.1	*	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	4.1	1.2	.1	.0	.0	5.7

PERIOD: (OVER-ALL) 1963-1971

NOVEMBER

TABLE 18

AREA 0004 SAIGON
9.4N 107.3E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.5	.0	.0	.0	.0	.6
1-2	.0	.2	.1	.0	.0	.0	.2
3-4	.0	.1	.1	.0	.0	.0	.2
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.7	.2	.0	.0	.0	1.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	.1	.0	.0	.0	.9
1-2	.1	1.1	.2	.0	.0	.0	1.4
3-4	.0	.2	.1	.0	.0	.0	.3
5-6	.0	*	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.9	.5	.0	.0	.0	2.7

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.0	.0	.0	.0	.6
1-2	.0	.8	.6	.0	.0	.0	1.4
3-4	.0	.1	.1	.0	.0	.0	.1
5-6	.0	*	*	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.1	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.6	.7	.0	.0	.0	2.2

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.9	.1	.0	.0	.0	.9
1-2	.0	1.0	.6	.0	.0	.0	1.6
3-4	.0	.1	.2	.0	.0	.0	.4
5-6	.0	.1	.0	*	.1	.0	.2
7	.0	.0	.1	*	.0	.0	.1
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.1	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	*	2.1	1.0	.2	.1	.0	3.3

PERIOD: (OVER-ALL) 1963-1971

AREA 0004 SAIGON
9.4N 107.3E

TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.1	9.5	.1	.0	.0	.0	11.7	
1-2	.4	16.0	17.5	.0	.0	.0	34.0	
3-4	.2	5.8	18.8	3.4	.0	.0	28.2	
5-6	.1	1.3	7.3	3.8	.1	.0	12.5	
7	.1	.2	3.5	2.4	.4	.1	6.7	
8-9	.0	.1	.8	2.0	.5	.0	3.4	
10-11	.0	.0	.4	1.2	.1	.2	1.8	
12	.0	.0	.1	.3	.0	.0	.4	
13-16	.0	.0	.1	.8	.3	.0	1.1	
17-19	.0	.0	.0	.1	.1	.1	.2	
20-22	.0	.0	.0	.0	.1	.0	.1	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	0	.0	.0	.0	.0	.0	.0	
33-40	0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1678
TOT PCT	2.9	32.8	48.5	14.0	1.5	.3	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.1	21.9	25.5	9.2	4.4	1.0	.7	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1239	3
6-7	0	1.5	6.3	3.9	2.2	1.5	.9	.4	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	323	5
8-9	.0	.1	.6	.7	1.5	1.4	.5	.2	.3	3	.1	.1	.1	.0	.0	.0	.0	.0	.0	111	8
10-11	.0	.1	.2	.0	.2	.5	.5	.1	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	45	10
12-13	.0	.0	.2	.1	.1	.1	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	8
>13	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
INDET	3.6	1.6	1.8	.6	.1	.1	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	149	2
TOTAL	126	472	648	273	160	87	53	15	27	11	5	2	1	0	0	0	0	0	0	1880	4
PCT	6.7	25.1	34.5	14.5	8.5	4.6	2.8	.8	1.4	.6	.3	.1	.1	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1855-197?

AREA 0004 SAIGON
9.4N 107.4E

TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W0 PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.5	.1	1	.0	.0	.0	.0	.6		.0	.1	.2		*	9.4	
NE	1.0	.4	.3	.0	.0	.0	.0	1.7		.7	.1	.9		.0	51.6	
E	.3	.1	.1	.0	.0	.0	.0	.5		.6	.0	.5		.0	26.9	
SE	*	.1	*	.0	.0	.0	.0	.1		.1	.0	.0		.0	1.7	
S	.0	.0	.0	.0	.0	.0	.0	.0		.0	*	*		.0	.5	
SW	.0	*	.0	.0	.0	.0	.0	*		.0	*	*		.0	.5	
W	.0	.0	.0	0	.0	.0	.0	.0		.0	.0	*		.0	.8	
NW	*	*	.0	.0	.0	.0	.0	.1		.0	.0	*		.0	1.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	1.2	
TOT OBS	53	20	17	0	0	0	0		90	40	9	51		1	2747	2937
TOT PCT	1.8	.7	.6	.0	.0	.0	.0	3.1		1.4	.3	1.7		*	93.5	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	FOG W0 PCPN	SMOKE HAZE	DUST BLWG BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	1.9	1.0	.6	.0	.0	.0	.0	3.5		.0	.4	2.6		.0	93.5	
06&09	2.1	.7	.6	.0	.0	.0	.0	3.3		.1	.4	2.6		.1	93.5	
12&15	1.5	.5	.5	.0	.0	.0	.0	2.5		2.5	.4	.7		.0	93.9	
18&21	1.7	.5	.7	.0	.0	.0	.0	2.9		2.8	.0	1.1		.0	93.3	
TOT	53	20	17	0	0	0	0		90	41	9	51		1	2764	2955
PCT	1.8	.7	.6	.0	.0	.0	.0	3.0		1.4	.3	1.7		*	93.5	

DECEMBER

PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1855-1971

TABLE 3

AREA 0004 SAIGON
9.4N 107.4E

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.4	2.3	5.5	3.4	.5	.0		12.1	17.7	11.7	19.7	14.2	15.3	9.7	13.7	9.0	13.2
NE	5	7.2	30.9	15.5	1.4	.0		55.4	18.2	58.0	59.1	5?.8	63.0	51.7	57.3	53.3	57.7
E	5	5.8	14.7	5.0	.3	.0		26.2	16.0	22.5	17.7	2?.8	18.6	31.9	25.8	31.9	22.8
SE	.3	1.1	.5	.1	.0	.0		2.0	9.5	1.8	1.1	1.5	2.2	2.8	1.8	1.9	2.1
S	.1	3	.1	*	.0	.0		.5	8.9	.5	.0	1.0	.0	.6	.9	.3	.4
SW	.1	.3	.1	*	*	.0		.5	9.8	.7	.0	.8	.4	.3	.0	.7	.5
W	.1	.5	.2	*	.0	.0		.7	8.5	1.4	.6	1.1	.0	.5	.0	.3	1.3
NW	.1	.6	.5	*	*	.0		1.2	11.0	1.9	1.9	1.6	.2	.7	.5	1.0	1.7
VAR	.0	.0	.0	0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2							1.2	.0	1.5	.0	1.1	.4	1.7	.0	1.7	.4
TOT OBS	115	661	1922	883	81	0	3662		16.9	650	174	711	262	716	164	705	280
TOT PCT	3 1	18.1	52.5	24.1	2.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	1.1	4.2	5.1	1.7	.1		12.1	17.7	13.3	14.5	10.5	10.2
NE	2.1	20.2	27.6	5.0	.2		55.4	18.2	58.2	56.3	52.8	54.5
E	2.2	12.2	10.4	1.3	.1		26.2	16.0	21.5	23.1	30.8	29.3
SE	.7	1.1	.2	.1	.0		2.0	9.5	1.7	1.7	2.7	2.0
S	2	.3	*	*	.0		.5	8.9	*	.7	.7	.3
SW	.3	.1	.1	.0	*		.5	9.8	.5	.7	.2	.6
W	.3	.4	.1	.0	.0		.7	8.5	1.2	.8	.4	.6
NW	.4	.5	.2	*	0		1.2	11.0	1.9	1.2	.7	1.2
VAR	.0	.0	.0	.?	.0		.0	.0	.0	.0	.0	.0
CALM	1.2						1.2	.0	1.2	.9	1.4	1.3
TOT OBS	314	1428	1604	300	16	3662		16.9	821	973	880	985
TOT PCT	8.6	39.0	43.8	8.2	.4		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1855-1971

AREA 0004 SAIGON
9.4N 107.4E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.2	2.4	18.0	52.8	23.2	2.4	.0	16.8	100.0	824
06&09	.9	2.1	18.3	50.2	26.3	2.3	.0	17.0	100.0	973
12&15	1.4	1.7	17.7	50.5	26.6	2.2	.0	17.3	100.0	880
18&21	1.3	1.6	18.2	56.3	20.5	2.0	.0	16.5	100.0	984
TOT	44	71	661	1922	883	81	0	16.9		3662
PCT	1.2	1.9	18.1	52.5	24.1	2.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.3	1.5	3.9	2.5		5.5
NE	10.3	9.5	21.4	10.5		5.0
E	7.7	6.1	12.7	5.1		4.7
SE	.4	.4	.7	.5		5.2
S	.1	.1	.4	.1		5.5
SW	.0	.1	.4	*		5.6
W	.2	.2	.5	*		4.8
NW	.1	.3	.4	.4		5.7
VAR	.0	.0	.0	.0		.0
CALM	.4	.6	.4	.2		4.1
TOT OBS	475	430	934	442	2281	4.9
TOT PCT	20.8	18.9	40.9	19.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MH)4/8) AND OCCURRENCE OF MH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MH <5/8 ANY HGT	TOTAL OBS
.1	.0	.0	.6	1.8	1.4	.3	.1	.2	.1	4.5	
*	.0	.4	1.9	5.7	9.0	.3	.3	1.5	.7	31.9	
*	.0	.1	.3	2.2	5.7	.6	.3	1.5	.8	20.2	
.0	.0	.0	.0	*	.5	.2	*	*	.0	1.2	
.0	.0	.0	*	.1	*	.0	.0	*	*	.4	
.0	.0	.0	*	.1	.1	.0	*	*	.0	.3	
.0	.0	.0	*	.2	.2	.0	*	.0	.0	.5	
.0	.0	.0	*	.4	.3	*	*	*	.0	.5	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.1	*	.0	.0	*	*	1.3	
4	0	10	68	247	391	44	20	76	38	1387	2281
.2	.0	.4	3.0	10.7	17.1	1.9	.9	3.3	1.7	60.8	100.0

DECEMBER

PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1855-1971

AREA 0004 SAIGON
9.4N 107.4E

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = 8R >10	= 8R >5	= 8R >2	= 8R >1	= 8R >1/2	= 8R >1/4	= 8R >50YD	= 8R >0
= 8R >6500	3.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0
= 8R >5000	4.5	5.8	5.8	5.8	5.8	5.8	5.8	5.8
= 8R >3500	5.8	7.6	7.7	7.8	7.8	7.8	7.8	7.8
= 8R >2000	20.7	24.7	24.8	24.9	24.9	24.9	24.9	24.9
= 8R >1000	28.5	34.9	35.3	35.4	35.4	35.4	35.4	35.4
= 8R >600	30.5	37.7	38.2	38.4	38.4	38.4	38.4	38.4
= 8R >300	30.7	38.0	38.7	38.8	38.8	38.8	38.8	38.8
= 8R >150	30.7	38.0	38.7	38.8	38.8	38.8	38.8	38.8
= 8R > 0	30.8	38.1	38.7	38.9	38.9	38.9	39.0	39.0
TOTAL	705	873	887	891	891	891	894	894

TOTAL NUMBER OF OBS: 2292

PCT FREQ NH <5/8: 61.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
11.0	9.2	18.1	12.1	10.7	7.5	13.0	6.8	11.3	.1	2392

DECEMBER

PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1855-1971

AREA 0004 SAIGON
9.4N 107.4E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	NO PCP	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	*	*	.0	.0	.0	.0	*	
	TOT %	.0	.0	.0	.0	*	*	.0	.0	.0	.0	*	
1<2	PCP	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	*	.1	.0	.0	.0	.0	*	.0	.0	.0	.1	
	TOT %	.1	.3	.0	.0	.0	.0	*	.0	.0	.0	.4	
2<5	PCP	.1	.2	*	.0	.0	.0	.0	*	.0	.0	.3	
	NO PCP	.2	.4	.1	.0	.0	.0	.0	.0	.0	.0	.7	
	TOT %	.3	.6	.1	.0	.0	.0	.0	*	.0	.0	1.0	
5<10	PCP	.2	.7	.2	*	.0	*	.0	*	.0	.0	1.2	
	NO PCP	2.5	10.0	3.6	.2	.0	.1	.1	.2	.0	*	16.8	
	TOT %	2.7	10.6	3.8	.2	.0	.1	.1	.2	.0	*	17.9	
10+	PCP	.1	.6	.3	.1	.0	.0	.0	*	.0	.0	1.2	
	NO PCP	6.9	42.9	24.2	1.5	.6	.4	.7	.8	.0	1.2	79.3	
	TOT %	7.1	43.6	24.5	1.6	.6	.4	.7	.8	.0	1.2	80.5	
	TOT OBS												2936
	TOT PCT	10.4	55.0	28.4	1.9	.6	.6	.8	1.1	.0	1.2	100.0	

DECEMBER

PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1855-1971

AREA 0004 SAIGON
9.4N 107.4E

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.1	*	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	*	*	.0	.0	.0	.0	*	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	*	.0	.0	.0	.0	.0	.0	.0	.0		*	
	TOT %	*	.0	.0	.0	*	*	.0	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	*	.0	.0	.0	.0	.0	*	.0	.0		.1	
	11-21	.1	.1	*	.0	.0	.0	.0	.0	.0		.2	
	22+	.1	.2	.0	.0	.0	.0	.0	.0	.0		.2	
	TOT %	.2	.3	*	.0	.0	.0	*	.0	.0	.0	.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	*	*	.1	.0	.0	0	.0	*	.0		.2	
	11-21	.2	.5	.1	.0	.0	.0	.0	*	.0		.9	
	22+	.2	.3	*	.0	.0	.0	.0	.0	.0		.5	
	TOT %	.4	.8	.2	.0	.0	.0	.0	*	.0	.0	1.5	
	0-3	*	1	.1	.0	.0	.0	.0	.0	.0	*	.2	
5<10	4-10	.3	.9	.5	.1	.0	.1	.1	.1	.0		2.1	
	11-21	1.3	5.3	1.9	.1	.0	*	*	.1	.0		8.8	
	22+	1.2	4.7	1.2	*	.0	.0	.0	.1	.0		7.1	
	TOT %	2.8	11 0	3.6	.2	.0	.1	.1	.3	.0	*	18.2	
	0-3	.3	.4	.4	.2	*	.1	.1	.1	.0	1.2	2.8	
10+	4-10	1.7	6.0	5.4	1.0	.3	.2	.4	.4	.0		15.4	
	11-21	3.5	25.0	13.7	.4	.1	.1	.1	.3	.0		43.1	
	22+	1.8	11.9	4.4	.1	*	*	*	.0	.0		18.3	
	TOT %	7.4	43.2	23.9	1.7	.5	.4	.6	8	.0	1.2	79.6	
	TOT OBS												3292
	TOT PCT	11.0	55.4	27.7	1.9	.5	.5	.8	1.1	.0	1.2	100.0	

DECEMBER

PERIOD: (PRIMARY) 1934-1971
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.2	.0	.3	3.1	11.0	16.5	2.6	1.4	4.5	1.0	40.5	59.5	582
06&09	.4	.0	.4	2.5	11.1	15.3	2.6	.7	3.5	1.2	37.5	62.5	570
12&15	.0	.0	.3	3.8	9.0	18.5	1.3	1.0	2.3	1.8	38.0	62.0	611
18&21	.2	.0	.7	2.2	10.2	16.1	1.0	.3	2.7	2.3	35.7	64.3	597
TOT	4	0	10	68	243	392	44	20	76	38	895	1465	2360
PCT	.2	.0	.4	2.9	10.3	16.6	1.9	.8	3.2	1.6	37.9	62.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.2	.0	.2	.4	16.5	82.8	559
06&09	.4	.0	.5	.9	13.5	84.7	556
12&15	.0	.0	.2	1.0	18.5	80.3	594
18&21	.0	.0	.0	1.0	16.8	82.2	583
TOT	3	0	5	19	375	1890	2292
PCT	.1	.0	.2	.8	16.4	82.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.2	.5	4.1	38.1	57.8	559
06&09	.4	.7	4.5	34.2	61.3	556
12&15	.0	.3	5.1	34.3	60.6	594
18&21	.2	.8	3.9	32.9	63.1	583
TOT	4	14	101	799	1392	2292
PCT	.2	.6	4.4	34.9	60.7	100.0

DECEMBER

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	0	*	.1	.1	.1	.1	11	.5
85/89	.0	*	*	*	.4	.9	.4	.2	47	2.0
80/84	.0	.0	*	.1	2.2	12.8	19.0	7.3	970	41.4
75/79	.0	.0	*	.0	1.2	16.2	23.4	14.2	1287	55.0
70/74	.0	0	.0	.0	.0	*	.5	.6	26	1.1
65/69	.0	.0	.0	.0	.0	.0	.0	*	1	*
TOTAL	0	1	3	5	92	702	1016	523	2342	100.0
PCT	.0	*	.1	.2	3.9	30.0	43.4	22.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.2	.1	*	.0	.0	.0	.0	.0	*
.2	.9	.6	.1	.1	.1	.1	.0	.0	.0
2.6	20.7	14.4	1.1	.3	.3	.5	.6	.0	1.1
5.4	31.3	16.0	.7	.2	.2	.2	.6	.0	.3
.4	.6	.1	.0	.0	.0	.0	.1	.0	.0
.0	*	.0	.0	.0	.0	.0	.0	.0	.0
8.6	53.8	31.2	1.9	.5	.5	.8	1.2	.0	1.5

TABLE 15

MEANS.EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	84	82	79	75	73	66	78.8	822
06&09	94	90	85	80	76	73	66	80.4	950
12&15	84	83	82	79	75	73	66	78.6	880
18&21	85	82	81	78	75	72	66	77.9	988
TOT	94	86	83	79	75	73	66	78.9	3640

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	2.8	26.5	46.7	23.9	84	565
06&09	.0	1.1	10.2	38.2	35.4	15.1	80	568
12&15	.0	.3	1.8	30.1	44.4	23.5	84	622
18&21	.0	.2	2.2	25.5	46.0	26.2	84	604
TOT	0	9	98	708	1019	525	83	2359

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.0	*	.0	1	.0	*
11/13	.0	.0	.0	.0	.0	.1	.0	*	3	.0	.1
9/10	.0	.0	.0	.0	*	.1	.2	*	9	.0	.3
7/8	.0	.0	.0	.1	.4	.4	.2	*	32	.0	1.1
6	.0	.0	.0	.3	.5	.2	.0	.0	28	.0	1.0
5	.0	.0	*	.6	1.0	.4	.0	.0	55	.0	2.0
4	.0	.0	.1	1.5	2.2	.2	*	.0	112	.0	4.0
3	.0	.0	.1	1.0	2.0	.2	.0	.0	94	.0	3.4
2	.0	.0	.2	4.7	4.5	.1	.0	.0	270	.1	9.5
1	.0	.0	.4	7.2	3.5	.0	.0	.0	313	.0	11.2
0	.0	.1	1.8	14.2	3.4	*	.0	.0	546	.1	19.4
-1	.0	.0	.9	9.9	1.3	*	.0	.0	338	.0	12.1
-2	.1	.0	4.4	9.4	1.8	.0	.0	.0	438	.1	15.6
-3	.0	.0	1.4	4.8	.8	.0	.0	.0	196	.0	7.0
-4	.1	.2	1.8	3.0	.4	.0	.0	.0	157	.0	5.6
-5	.0	.1	.7	1.9	.1	.0	.0	.0	79	.0	2.8
-6	.0	.0	.2	1.2	.1	.0	.0	.0	44	.0	1.6
-7/-8	.0	*	.6	1.8	.0	.0	.0	.0	67	.0	2.4
-9/-10	*	.0	.2	.4	.0	.0	.0	.0	17	.0	.6
-11/-13	*	.0	*	*	.0	.0	.0	.0	3	.0	.1
TOTAL									2802		
PCT	.3	.5	12.9	62.0	22.0	1.8	.4	.1	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1971

DECEMBER

TABLE 18

AREA 0004 SAIGON
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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.0	.0	.0	.0	.3
1-2	.1	.7	.7	0	.0	.0	1.5
3-4	.1	.4	1.4	3	.0	.0	2.1
5-6	.0	.0	.2	.4	.0	.0	.5
7	.0	.0	.4	.2	.1	.0	.7
8-9	.0	.0	.5	.4	*	.0	1.0
10-11	.0	.0	.1	.3	.1	.0	.5
12	.0	.0	*	.1	.0	.0	.2
13-16	.0	.0	.0	.2	.0	.0	.2
17-19	0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.2	3.3	1.8	.2	.0	6.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	.1	.0	.0	.0	.9
1-2	.0	3.2	6.6	.0	.0	.0	9.7
3-4	.0	1.5	14.2	5.1	.0	.0	20.8
5-6	.0	.3	6.5	3.6	.4	.0	10.8
7	.0	.1	2.9	3.4	.2	.0	6.5
8-9	.0	.0	1.1	2.4	.1	.0	3.6
10-11	.0	.0	.2	1.9	.2	.0	2.2
12	.0	.0	*	.3	.3	.0	.6
13-16	.0	.0	.0	.3	.0	.0	.3
17-19	.0	.0	.0	.0	.1	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	5.7	31.5	17.0	1.2	.0	55.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.8	.1	.0	.0	.0	1.0
1-2	.0	2.6	5.2	.0	.0	.0	7.8
3-4	.0	1.7	9.1	2.8	.0	.0	13.6
5-6	.0	.2	3.2	1.3	.0	.0	4.6
7	.0	.0	1.7	1.3	.1	.0	3.0
8-9	.0	.1	.7	.7	.0	.0	1.4
10-11	.0	.0	.3	1.2	*	.0	1.5
12	.0	.0	.0	.3	*	.0	.3
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.1	.1	.0	.2
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	5.3	20.2	7.7	.2	.0	33.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.8	.1	.0	.0	.0	.9
3-4	*	.1	.3	.0	.0	.0	.4
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	*	.0	0	*
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	*	1.0	.5	.1	.0	.0	1.5

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TABLE 18

AREA 0004 SAIGON 9.4N 107.4E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.2	.0	.0	.0	.0	.2
3-4	*	.0	.1	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	*	.2	.1	.1	.0	.0	.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.1	.0	.0	.0	.0	.1
3-4	.0	.0	*	.0	.0	.0	*
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.1	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.1	*	.0	.1	.0	.2

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	0	.1
1-2	.1	.3	.1	.0	.0	.0	.5
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.1	.0	.0	.1
12	0	.0	0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	0	.0	.0	.0	.0	.0
TOT PCT	.1	.4	.1	.1	.0	.0	.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.4	.2	.0	.0	.0	.6
3-4	.0	.1	.1	.0	.0	.0	.2
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.6	.5	.1	.0	.0	1.1

DECEMBER

PERIOD: (OVER-ALL) 1963-1971

AREA 0004 SAIGON
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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.6	1.9	.1	.0	.0	.0	2.6	
1-2	.3	8.2	12.9	.0	.0	.0	21.3	
3-4	.1	3.8	25.1	8.2	.0	.0	37.2	
5-6	.0	.5	10.0	5.2	.4	.0	16.1	
7	.0	.1	5.1	5.0	.4	.0	10.5	
8-9	.0	.1	2.3	3.6	.1	.0	6.0	
10-11	.0	.0	.6	3.5	.3	.0	4.4	
12	.0	.0	.1	.7	.4	.0	1.1	
13-16	.0	.0	.0	.5	.0	.0	.5	
17-19	.0	.0	.0	.1	.1	.0	.3	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1594
TOT PCT	.9	14.5	56.1	26.8	1.7	.0	100.0	

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.6	13.2	26.2	9.6	5.8	1.9	1.2	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1131	4
6-7	.0	.4	3.1	5.1	5.4	3.2	2.7	1.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	406	7
8-9	.0	.1	.8	.8	2.3	1.8	1.3	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	150	8
10-11	.0	.1	.1	.1	.4	.5	.8	.3	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	10
12-13	.0	.0	.0	.0	.1	.4	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	10
>13	.0	.0	.0	.1	.0	.2	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	11	11
INDET	.4	1.2	2.5	.7	.8	.6	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	128	4
TOTAL	20	285	623	312	281	164	120	58	26	11	0	1	0	0	0	0	0	0	0	1901	5
PCT	1.1	15.0	32.8	16.4	14.8	8.6	6.3	3.1	1.4	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	100.0	

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PERIOD: (PRIMARY) 1934-1971
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TABLE 1

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SHWR	PRECIPITATION TYPE DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
N	.1	1	.1	.0	.0	.0	.0	.3		*	*	.1		*	4.2	
NE	.3	.2	.1	.0	.0	.0	.0	.7		.2	.1	.3		*	22.3	
E	.2	.1	.1	.0	.0	.0	.0	.4		.2	*	.3		*	20.3	
SE	.1	*	*	.0	.0	.0	.0	.2		.1	*	*		*	5.5	
S	.1	.1	*	.0	.0	.0	*	.2		.2	*	*		*	5.3	
SW	.6	.3	.2	.0	.0	.0	*	1.1		.5	*	.1		*	18.2	
W	.6	.3	.2	.0	.0	.0	.0	1.2		.3	*	*		*	12.0	
NW	.2	.1	.1	.0	.0	.0	.0	.4		*	*	*		.0	2.6	
VAR	.0	.0	*	.0	.0	.0	.0	*		*	.0	.0		.0	*	
CALM	*	*	*	.0	.0	.0	.0	.1		*	*	*		*	2.0	
TOT OBS	999	525	337	0	0	0	2		1846	656	55	324		15	38235	41101
TOT PCT	2.4	1.3	.8	.0	.0	.0	*	4.4		1.6	.1	.8		*	93.1	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	PRECIPITATION TYPE DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCT FREQ PCPN AT OB TIME	TOTAL PCPN OBS	THDR LTNG	OTHER WEATHER PHENOMENA FOG NO PCPN	SMOKE HAZE	DUST BLWG	DUST SNOW	NO SIG WEA	TOTAL OBS
00&03	2.5	1.2	.8	.0	.0	.0	.0	4.4		.1	.1	.8		.1	94.5	
06&09	2.2	1.2	.7	.0	.0	.0	.0	4.0		.1	.2	1.2		*	94.5	
12&15	2.5	1.2	.9	.0	.0	.0	*	4.6		3.2	.1	.7		*	91.5	
18&21	2.4	1.3	1.0	.0	.0	.0	*	4.7		2.9	.1	.6		*	91.8	
TOT	1004	528	344	0	0	0	2		1861	669	56	325		15	38452	41348
PCT	2.4	1.2	.8	.0	.0	.0	*	4.4		1.6	.1	.8		*	93.0	

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TABLE 3

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PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	.4	1.7	2.0	.9	.1	*		5.1	11.8	6.0	7.5	5.5	5.3	3.9	4.1	4.9	5.5
NE	.6	6.1	12.1	4.8	.4	*		24.0	12.2	25.1	27.5	24.9	27.1	21.5	24.5	21.9	25.3
E	.9	7.5	9.3	2.1	.1	*		19.9	11.1	18.9	14.9	19.8	16.0	22.9	19.6	22.3	18.2
SE	.8	3.9	1.0	.1	*	.0		5.8	7.8	5.2	4.8	5.4	6.0	6.9	5.6	6.1	5.1
S	.8	4.1	1.3	.1	*	.0		6.4	8.0	5.4	5.1	5.7	8.2	7.7	7.0	6.2	6.0
SW	.8	9.2	9.0	1.1	*	.0		20.2	9.5	17.3	21.6	19.5	24.2	21.3	17.6	19.2	21.8
W	.5	5.1	6.4	1.1	.1	*		13.2	10.2	15.1	14.5	13.5	10.3	11.1	12.8	13.6	14.5
NW	.3	1.6	.9	.1	*	.0		2.9	10.0	4.2	2.9	2.8	1.3	2.3	2.1	3.3	2.9
VAR	*	*	.0	.0	.0	.0		*	1.6	*	.0	*	.0	*	.0	.1	.0
CALM	2.5							2.5	.0	2.8	1.4	2.8	1.5	2.3	1.4	2.9	2.7
TOT OBS	3771	19684	20797	5063	362	15	49692		12.4	8673	2395	9982	3679	9486	2423	9416	3638
TOT PCT	7.5	39.3	42.0	10.4	.7	*		100.0		100.0	100.0	100.0	100.0	30.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	1.1	2.1	1.5	.4	*		5.1	11.8	6.3	5.5	3.9	4.7
NE	2.5	10.7	9.2	1.5	.1		24.0	12.2	25.6	25.5	22.0	22.8
E	3.5	10.7	5.2	.5	*		19.9	11.1	19.1	18.8	22.3	20.6
SE	2.7	2.8	.2	*	.0		5.8	7.8	5.1	5.5	6.6	5.8
S	2.8	3.2	.3	*	.0		6.4	8.0	5.3	6.4	7.6	6.2
SW	3.8	12.5	3.6	.2	*		20.2	9.5	18.2	20.8	21.6	19.9
W	2.1	7.8	3.1	.2	*		13.2	10.2	15.0	12.7	11.5	13.9
NW	1.0	1.5	.4	*	*		2.9	10.0	4.0	2.4	2.3	3.2
VAR	*	.0	.0	.0	.0		*	1.6	*	*	*	*
CALM	2.5						2.5	.0	2.5	2.5	2.1	2.9
TOT OBS	11118	25529	11537	1440	68	49692		12.4	11068	13661	11909	13054
TOT PCT	22.2	51.1	23.6	3.0	.1		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	WIND SPEED (KNOTS) 4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.5	5.9	39.6	41.1	10.2	.7	.1	12.2	100.0	11066
06&09	2.5	5.4	37.7	42.5	11.0	.9	*	12.5	100.0	13659
12&15	2.1	4.0	38.7	43.6	10.8	.8	*	12.7	100.0	11905
18&21	2.9	4.9	41.1	40.8	9.7	.6	*	12.1	100.0	13049
TOT	1251	2519	19672	20797	5063	362	15	12.4		49679
PCT	2.5	5.0	39.3	42.0	10.4	.7	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.7	.8	1.7	1.1		5.3
NE	5.9	5.0	8.3	3.4		4.6
E	7.5	5.5	7.7	2.1		4.2
SE	1.8	1.5	2.1	.5		4.4
S	1.6	1.5	2.3	.9		4.4
SW	2.7	3.7	8.2	4.4		4.8
W	1.4	2.0	5.6	4.5		5.3
NW	.3	.4	1.4	1.1		5.5
VAR	*	*	*	*		1.3
CALM	.5	.6	.9	.3		4.2
TOT OBS	6850	6539	11826	5730	30945	4.8
TOT PCT	22.4	21.2	38.2	18.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.MM) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
*	*	*	.2	.8	.7	.1	.1	.1	*	2.3	
*	*	.1	.6	2.5	2.9	.3	.2	.4	.2	15.4	
*	*	.1	.3	1.9	2.8	.3	.2	.5	.2	16.5	
*	*	*	1	.5	.7	.1	*	.1	*	4.4	
*	*	*	.1	.6	.7	.1	*	.1	*	4.5	
*	*	.1	.7	2.7	3.0	.3	.1	.2	1	11.7	
.1	*	.2	.6	2.7	2.3	.2	.1	.2	.1	7.0	
*	*	.1	.1	.7	.7	.1	*	.1	*	1.5	
.0	.0	.0	*	.0	.0	*	.0	.0	*	*	
.0	.0	*	.1	.3	.3	*	*	.1	*	1.6	
64	24	218	853	3944	4360	456	248	460	264	20044	30945
.2	.1	.7	2.7	12.6	14.1	1.5	.8	1.5	.9	64.9	100.0

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TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (HH >4/8) AND VSBY (MM)

CEILING (FEET)	VSBY (MM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	2.0	2.3	2.4	2.4	2.4	2.4	2.4	2.4
= OR >5000	2.7	3.1	3.1	3.2	3.2	3.2	3.2	3.2
= OR >3500	3.9	4.6	4.6	4.6	4.6	4.6	4.6	4.6
= OR >2000	15.9	18.5	18.6	18.7	18.7	18.7	18.7	18.7
= OR >1000	25.0	30.7	31.1	31.2	31.2	31.3	31.3	31.3
= OR >600	26.7	33.2	33.8	33.9	34.0	34.0	34.0	34.0
= OR >300	27.1	33.7	34.4	34.6	34.7	34.7	34.7	34.7
= OR >150	27.1	33.8	34.5	34.7	34.8	34.8	34.8	34.8
= OR > 0	27.2	33.9	34.7	34.9	34.9	35.0	35.0	35.0
TOTAL	8462	10571	10816	10876	10890	10899	10914	10919

TOTAL NUMBER OF OBS: 31090 PCT FREQ NH (5/8: 64.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
7.3	10.4	22.8	14.1	10.4	8.2	11.3	5.4	9.9	.2	32126

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	*	*	*	*	*	*	.0	.0	.1	
	NO PCP	*	*	*	.0	*	*	*	.0	.0	.0	*	
	TOT %	*	*	*	*	*	*	*	*	.0	.0	.1	
1/2<1	PCP	*	*	*	*	.0	*	*	*	.0	.0	.1	
	NO PCP	.0	*	.0	.0	*	*	*	*	.0	.0	*	
	TOT %	*	*	*	*	*	*	*	*	.0	.0	.1	
1<2	PCP	*	*	*	*	*	*	.1	*	.0	.0	.2	
	NO PCP	*	*	*	*	.0	*	*	*	.0	*	.1	
	TOT %	*	.1	*	*	*	.1	.1	*	.0	*	.4	
2<5	PCP	*	.1	.1	*	*	.1	.2	.1	.0	.0	.6	
	NO PCP	*	.2	*	*	*	.2	.1	*	.0	*	.6	
	TOT %	.1	.3	.1	*	.1	.3	.3	.1	.0	*	1.2	
5<10	PCP	.1	.3	.1	.1	.1	.5	.5	.2	.0	*	1.9	
	NO PCP	.8	3.8	2.9	.8	.8	2.6	1.9	.4	.0	.2	14.3	
	TOT %	.9	4.1	3.1	.8	.9	3.1	2.4	.6	.0	.2	16.2	
10+	PCP	.1	.2	.2	.1	.1	.4	.3	.1	*	*	1.6	
	NO PCP	3.4	18.8	17.9	4.9	5.1	16.0	10.2	2.2	*	1.9	80.5	
	TOT %	3.5	19.1	18.1	5.0	5.2	16.4	10.6	2.3	*	1.9	82.0	
	TOT OBS												41087
	TOT PCT	4.6	23.5	21.3	5.8	6.2	19.9	13.5	3.0	*	2.2	100.0	

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TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
<1/2	4-10	*	*	*	.0	*	*	*	*	.0		.1	
	11-21	*	*	*	*	*	*	*	*	.0		.1	
	22+	*	*	.0	.0	.0	*	*	*	.0		*	
	TOT %	*	*	*	*	*	*	*	*	.0	.0	.2	
	0-3	.0	*	.0	*	*	*	.0	*	.0	.0	*	
1/2 <1	4-10	*	*	*	.0	*	*	*	*	.0		*	
	11-21	*	*	*	*	*	*	*	*	.0		.1	
	22+	*	*	*	.0	*	*	*	*	.0		*	
	TOT %	*	*	*	*	*	*	*	*	.0	.0	.1	
	0-3	.0	*	.0	*	.0	*	.0	.0	.0	*	*	
1 <2	4-10	*	*	*	*	*	*	*	*	.0		.1	
	11-21	*	.1	*	*	*	.1	.1	*	.0		.3	
	22+	*	*	.0	.0	*	*	*	*	.0		.1	
	TOT %	*	.1	.1	*	*	.1	.1	*	.0	*	.5	
	0-3	*	*	*	*	*	*	*	*	.0	*	.1	
2 <5	4-10	*	.1	.1	*	.1	.1	.1	*	.0		.6	
	11-21	.1	.2	.1	*	*	.2	.2	*	.0		.8	
	22+	*	.1	*	.0	*	.1	.1	*	.0		.3	
	TOT %	.1	.4	.2	*	.1	.4	.4	1	.0	*	1.8	
	0-3	*	.1	.1	.1	.1	.1	.1	*	.0	.3	.8	
5 <10	4-10	.2	.7	.9	.5	.5	1.3	.8	3	.0		5.3	
	11-21	.4	2.0	1.5	.2	.2	1.4	1.2	.2	.0		7.2	
	22+	.3	1.4	.9	*	*	.2	.3	*	.0		2.8	
	TOT %	1.0	4.2	2.9	.8	.9	3.0	2.4	.6	.0	.3	16.0	
	0-3	.3	.5	.7	.7	.6	.6	.4	.3	*	2.0	6.1	
10+	4-10	1.4	5.1	6.7	3.4	3.5	7.8	4.2	1.3	*		33.4	
	11-21	1.4	9.8	8.2	.8	1.0	7.3	5.0	.7	.0		34.2	
	22+	.5	3.6	1.8	*	.1	.8	.8	.1	.0		7.8	
	TOT %	3.6	18.9	17.5	5.0	5.3	16.5	10.4	2.3	*	2.0	81.4	
	TOT OBS												44928
	TOT PCT	4.7	23.7	20.7	5.8	6.3	20.1	13.4	3.0	*	2.3	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET.NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.2	.1	.7	2.7	13.2	14.9	1.7	1.0	1.7	.7	36.9	63.1	7782
06&09	.2	.1	.8	2.7	12.5	14.9	1.6	.7	1.3	.7	35.6	64.4	8011
12&15	.1	.1	.7	2.8	12.0	13.2	1.3	.8	1.5	.9	33.5	66.5	8123
18&21	.3	.1	.6	2.5	11.6	11.9	1.1	.7	1.4	1.1	31.2	68.8	7874
TOT	66	35	220	861	3950	4372	459	248	460	264	10935	20855	31790
PCT	.2	.1	.7	2.7	12.3	13.7	1.4	.8	1.5	.8	34.3	65.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.1	.1	.2	.9	13.1	85.6	7601
06&09	.2	*	.3	1.0	12.3	86.3	7823
12&15	.1	.1	.2	1.1	16.1	82.4	7973
18&21	.1	*	.2	1.2	17.2	81.4	7714
TOT	31	17	69	324	4571	26099	31111
PCT	.1	.1	.2	1.0	14.7	83.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET.NH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<500 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.3	1.2	4.6	33.4	62.0	7601
06&09	.3	1.2	4.6	31.9	63.4	7823
12&15	.2	1.1	4.8	29.6	65.6	7973
18&21	.4	1.2	4.7	27.8	67.6	7714
TOT	91	362	1465	9561	20385	31111
PCT	.3	1.2	4.7	30.7	64.7	100.0

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TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
100/104	.0	.0	.0	*	.0	.0	.0	.0	1	*
95/99	.0	.0	*	*	.2	*	*	.0	70	.3
90/94	.0	.0	*	.1	.9	.6	.3	*	626	2.0
85/89	.0	*	*	.1	1.6	7.6	3.7	.8	4246	13.8
80/84	.0	.0	*	.1	1.4	15.4	30.7	9.6	17446	57.2
75/79	.0	.0	*	*	.4	5.4	10.3	8.8	7479	25.0
70/74	.0	.0	.0	*	.1	.5	.6	.6	536	1.7
65/69	.0	.0	.0	.0	.0	.0	.0	*	1	*
TOTAL	0	1	9	116	1431	9004	13871	5981	30413	100.0
PCT	.0	*	*	.4	4.7	29.5	45.6	19.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	*	.0	.0	.0	.0	.0
*	*	*	*	.1	.1	*	*	.0	*
.1	.2	.4	.2	.3	.4	.2	.1	.0	.1
.3	1.5	2.3	1.3	1.7	3.9	2.0	.4	*	.4
1.9	10.2	11.5	3.6	3.7	13.2	9.7	2.0	*	1.4
1.8	10.1	7.8	.8	.4	1.3	1.6	.8	*	.4
.2	.8	.6	*	.0	*	*	*	.0	*
0	*	.0	.0	.0	.0	.0	.0	.0	.0
4.2	22.8	22.7	5.9	6.1	19.0	13.8	3.2	*	2.3

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	98	88	85	81	77	75	66	81.1	11075
06&09	100	92	89	83	78	76	66	83.1	13523
12&15	97	87	84	81	77	75	66	81.0	11929
18&21	93	84	83	80	77	75	66	80.2	13076
TOT	100	90	86	81	77	75	66	81.4	49603

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.1	2.4	26.1	49.9	21.5	84	7303
06&09	.0	1.2	12.4	42.7	32.9	10.9	79	7586
12&15	.0	.1	2.9	29.5	47.3	20.1	83	7868
18&21	.0	.1	1.2	20.1	52.2	26.3	85	7856
TOT	0	126	1465	9083	13960	5999	83	30613

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	93 96	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.0	.0	.0	*	1	.0	*
14/16	.0	.0	.0	.0	*	*	*	*	27	.0	.1
11/13	.0	.0	.0	*	.1	.1	.1	.1	171	.0	.4
9/10	.0	.0	.0	*	.2	.2	.2	.1	303	.0	.8
7/8	.0	.0	*	.1	.4	.4	.5	.1	593	*	1.5
6	.0	.0	*	.1	.2	.4	.3	*	414	.0	1.1
5	.0	.0	*	.2	.9	.9	.4	*	949	*	2.4
4	.0	*	.1	.7	1.8	1.2	.3	*	1627	*	4.2
3	.0	.0	.1	.6	1.3	1.1	.2	*	1208	*	3.1
2	.0	*	.4	1.9	4.9	1.8	.1	.0	3514	*	9.0
1	.0	*	.5	2.1	3.4	1.4	.1	*	2853	*	7.4
0	.0	.1	1.5	5.2	10.5	1.9	.1	.0	7421	*	19.0
-1	.0	*	.8	3.0	5.3	1.2	*	.0	3995	*	10.3
-2	*	.1	1.5	4.7	7.9	.7	*	.0	5774	*	14.8
-3	.0	*	.7	2.4	3.9	.4	*	.0	2884	*	7.4
-4	*	.1	1.0	2.9	3.6	.2	*	.0	3012	*	7.7
-5	.0	*	.5	1.9	2.0	.2	.0	.0	1783	*	4.6
-6	.0	*	.3	1.4	.8	*	.0	.0	1004	*	2.6
-7/-8	.0	.1	.4	1.4	.7	.1	.0	.0	993	*	2.5
-9/-10	*	*	.2	.4	.1	.0	.0	.0	271	.0	.7
-11/-13	*	*	.1	.1	*	*	.0	.0	82	.0	.2
-14/-16	.0	*	*	*	.0	.0	.0	.0	9	.0	*
TOTAL											
PCT	*	.4	7.9	29.0	47.8	12.0	2.3	.5	38888 100.0	.1	99.8

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TABLE 18

AREA 0004 SAIGON 9.4N 107.4E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.4	.0	.0	.0	.0	.6
1-2	.1	.7	.4	.0	.0	.0	1.2
3-4	*	.2	.7	.1	.0	.0	1.0
5-6	.0	*	.2	.1	*	.0	.3
7	.0	*	.1	.1	*	.0	.3
8-9	.0	.0	.1	.1	*	.0	.2
10-11	.0	.0	*	.1	*	*	.1
12	.0	.0	*	*	*	.0	.1
13-16	.0	.0	.0	*	*	.0	.1
17-19	.0	*	.0	*	*	*	*
20-22	.0	.0	.0	*	*	.0	*
23-25	.0	.0	.0	.0	.0	*	*
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.4	1.4	.6	.1	*	3.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.0	*	.0	.0	.0	1.3
1-2	.1	3.0	3.3	.0	.0	.0	6.3
3-4	*	1.1	5.3	1.4	.0	.0	7.9
5-6	*	.2	2.4	1.1	.1	.0	3.7
7	.0	*	1.1	1.1	.1	*	2.2
8-9	.0	*	.3	.8	.1	.0	1.2
10-11	.0	.0	.1	.4	*	.0	.5
12	.0	.0	*	.2	*	.0	.2
13-16	.0	.0	*	.2	*	.0	.2
17-19	.0	.0	.0	*	*	.0	*
20-22	.0	.0	*	*	*	.0	*
23-25	.0	.0	.0	.0	*	*	*
26-32	.0	.0	.0	.0	*	.0	*
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	0	.0
TOT PCT	.4	5.3	12.5	5.2	.4	*	23.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.9	.1	.0	.0	.0	2.3
1-2	.2	4.5	4.6	.0	.0	.0	9.2
3-4	*	1.3	5.2	1.2	.0	.0	7.7
5-6	.0	.1	1.5	.6	*	.0	2.2
7	.0	*	.7	.6	*	.0	1.3
8-9	.0	*	.2	.3	*	.0	.5
10-11	.0	.0	.1	.3	*	.0	.4
12	.0	.0	*	*	*	.0	.1
13-16	.0	.0	*	*	*	.0	*
17-19	.0	.0	.0	*	*	.0	*
20-22	.0	.0	*	.0	.0	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	7.8	12.3	3.0	.1	.0	23.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.5	*	.0	.0	.0	1.8
1-2	.2	2.0	.7	.0	.0	.0	2.9
3-4	*	.4	.3	*	.0	.0	.7
5-6	.0	*	*	*	.0	.0	.1
7	.0	*	*	*	.0	.0	*
8-9	.0	.0	.0	*	*	.0	*
10-11	.0	*	.0	.0	*	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.9	1.1	*	*	.0	5.4

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TABLE 18

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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.2	*	.0	.0	.0	1.5
1-2	.1	2.2	.8	.0	.0	.0	3.1
3-4	*	.4	.4	*	.0	.0	.8
5-6	.0	*	.1	*	*	.0	.1
7	.0	.0	*	*	.0	.0	*
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	*	*	.0	*
12	.0	0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.9	1.3	.1	*	.0	5.6

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.6	.1	.0	.0	.0	2.0
1-2	.2	5.3	4.6	.0	.0	.0	10.0
3-4	*	1.5	3.5	.4	.0	.0	5.4
5-6	.0	.1	.9	.2	*	.0	1.2
7	.0	.1	.4	.2	*	.0	.6
8-9	.0	*	.1	.1	.0	.0	.2
10-11	.0	*	*	*	.0	.0	.1
12	.0	.0	*	*	.0	.0	*
13-16	.0	.0	*	*	.0	.0	*
17-19	.0	.0	.0	*	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	8.6	9.5	.9	*	.0	19.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.0	.1	.0	.0	.0	1.2
1-2	.1	3.1	3.4	.0	.0	.0	6.6
3-4	*	.9	2.7	.6	.0	.0	4.2
5-6	.0	.1	.7	.2	*	.0	1.0
7	.0	*	.2	.2	.0	.0	.4
8-9	.0	*	*	.1	.0	.0	.1
10-11	.0	*	*	.1	.0	.0	.1
12	.0	.0	*	*	.0	.0	*
13-16	.0	.0	*	*	.0	.0	*
17-19	.0	.0	*	*	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	0	.0	.0	.0	.0	.0	.0
71-86	0	.0	.0	.0	.0	.0	.0
87+	0	0	.0	.0	.0	.0	.0
TOT PCT	.3	5.1	7.2	1.1	*	.0	13.8

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.5	*	.0	.0	.0	.7
1-2	.1	1.0	.6	.0	.0	.0	1.6
3-4	*	.2	.3	.1	.0	.0	.5
5-6	.0	*	.1	*	*	.0	.1
7	.0	*	*	*	.0	.0	.1
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	*	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	*	.0	*	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.7	1.0	.1	*	.0	3.0

ANNUAL

PERIOD: (OVER-ALL) 1963-1971

AREA 0004 SAIGON
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TABLE 18 (CONT)

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.7	9.1	.3	.0	.0	.0	13.1	
1-2	1.1	21.6	18.1	.0	.0	.0	40.8	
3-4	.1	5.9	18.3	3.8	.0	.0	28.1	
5-6	*	.6	5.9	2.2	.1	.0	8.8	
7	*	.1	2.6	2.1	.1	*	5.0	
8-9	.0	*	.6	1.3	.1	.0	2.1	
10-11	.0	*	.2	.8	.1	*	1.2	
12	.0	.0	.1	.3	.1	.0	.4	
13-16	.0	.0	*	.3	*	.0	.3	
17-19	.0	*	*	*	*	*	.1	
20-22	.0	.0	*	*	*	.0	*	
23-25	.0	.0	.0	.0	*	*	*	
26-32	.0	.0	.0	.0	*	.0	*	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.9	37.4	46.1	11.0	.6	*	100.0	21161

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.4	30.0	23.2	5.9	2.7	.7	.4	.2	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	16638	3
6-7	.1	1.9	4.1	3.6	2.6	1.1	.7	.3	.1	*	*	*	*	.0	.0	.0	.0	.0	.0	3609	5
8-9	*	.3	.9	.7	1.0	.8	.5	.2	.1	*	*	*	*	.0	.0	.0	.0	.0	.0	1130	7
10-11	.0	.2	.3	.2	.2	.2	.2	.1	.2	*	*	*	.0	.0	.0	.0	.0	.0	.0	422	8
12-13	*	.0	.1	*	*	.1	*	.1	*	*	*	*	.0	.0	.0	.0	.0	.0	.0	117	8
>13	0	.0	.0	*	*	*	*	*	*	*	*	*	.0	.0	.0	.0	.0	.0	.0	54	14
INDET	5.2	2.5	1.7	.6	.3	.2	.1	*	*	*	*	*	.0	.0	.0	.0	.0	.0	.0	2660	2
TOTAL	2391	8611	7473	2737	1707	768	482	226	155	41	17	12	10	0	0	0	0	0	0	24630	3
PCT	9.8	34.9	30.3	11.1	6.9	3.1	2.0	.9	.6	.2	.1	*	*	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1855-1971

AREA 0004 SAIGON
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TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	1	*
95/96	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	4	*
93/94	.0	0	.0	.0	.5	.1	.0	.0	.1	.3	.0	.0	38	.1
91/92	.0	.0	.0	.1	1.2	.3	*	.4	.2	.2	.0	.0	98	.2
89/90	.0	.0	.3	1.1	7.3	3.1	.8	1.1	.8	.8	.5	.0	648	1.4
87/88	.9	.2	.6	7.3	15.6	10.9	6.3	3.4	4.3	6.4	2.0	.2	2353	5.0
85/86	1.5	1.5	4.0	18.8	31.3	26.3	19.9	15.8	16.7	18.2	12.0	3.2	6792	14.4
83/84	3.3	5.4	15.1	28.0	25.3	30.8	30.8	29.9	29.0	31.5	20.9	5.6	10200	21.6
81/82	8.4	12.9	30.0	31.1	14.5	21.2	29.3	35.3	35.8	31.5	35.1	17.3	11920	25.2
79/80	22.7	26.7	26.6	9.8	3.8	5.1	7.9	7.5	8.8	8.9	20.1	35.2	7021	14.9
77/78	31.0	24.5	14.2	2.1	.4	1.2	2.1	4.4	2.6	1.5	7.2	24.9	4441	9.4
75/76	22.4	20.8	6.5	1.5	*	.6	1.8	1.7	.8	.4	1.9	10.4	2650	5.6
73/74	7.4	5.5	1.7	.1	.1	.2	1.1	.3	.3	.2	.2	2.6	764	1.6
71/72	1.8	2.1	.7	*	.0	.0	*	*	.6	.1	.1	.3	226	.5
69/70	.5	.5	.3	.1	.0	.0	.0	.1	.2	.0	.0	.2	74	.2
67/68	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	*
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	4143	3568	3999	4027	4201	4033	4165	4101	3914	3875	3699	3512	47237	100.0
MEAN	77.8	78.2	80.3	83.0	85.0	84.0	83.0	82.7	82.7	83.2	81.7	79.1	81.7	

PERIOD: (PRIMARY) 1934-1971
(OVER-ALL) 1855-1971

AREA 0004 SAIGON
9.4N 107.4E

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MB	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1012	1013	1012	1010	1011	1012	1012	1011	1012	3655
FEB	1012	1012	1011	1010	1011	1011	1011	1011	1011	2875
MAR	1011	1011	1010	1009	1009	1011	1010	1010	1010	3397
APR	1010	1010	1010	1008	1009	1010	1010	1009	1010	3392
MAY	1008	1009	1008	1007	1007	1008	1008	1008	1008	3613
JUN	1008	1008	1008	1007	1007	1008	1008	1007	1008	3489
JUL	1007	1008	1007	1006	1007	1008	1008	1007	1007	3666
AUG	1007	1008	1007	1006	1007	1008	1008	1007	1007	3533
SEP	1008	1009	1008	1007	1007	1009	1008	1007	1008	3324
OCT	1009	1010	1009	1008	1008	1009	1009	1009	1009	3363
NOV	1010	1011	1010	1009	1009	1010	1010	1009	1010	3182
DEC	1011	1012	1010	1009	1010	1011	1011	1010	1011	2956
ANN	1009	1010	1009	1008	1009	1010	1009	1009	1009	40445
OBS	7309	2123	7943	2486	7943	2321	7959	2361		

PERCENTILES

MB	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1005	1006	1008	1010	1011	1013	1016	1018	1020
FEB	1004	1005	1008	1010	1011	1013	1015	1016	1017
MAR	1003	1004	1006	1009	1010	1012	1014	1016	1017
APR	1003	1004	1006	1008	1010	1011	1014	1015	1016
MAY	1002	1003	1004	1006	1008	1009	1011	1013	1015
JUN	999	1002	1004	1006	1008	1009	1011	1012	1016
JUL	1000	1001	1003	1006	1008	1009	1011	1012	1014
AUG	999	1000	1003	1006	1007	1009	1010	1012	1013
SEP	998	1002	1004	1006	1008	1009	1012	1013	1014
OCT	1001	1003	1005	1008	1009	1010	1012	1013	1014
NOV	1002	1003	1006	1008	1010	1011	1013	1014	1016
DEC	1003	1005	1006	1009	1010	1012	1014	1016	1017

USCOMM-NOAA-ASHEVILLE,NC--175

VOLUME	AREA	AREA NUMBER	CENTRAL LOCATION	
1	1	TONKIN GULF	19.5°N	108.0°E
	2	DA NANG	15.7°N	109.5°E
	3	NHA TRANG	12.5°N	110.0°E
	4	SAIGON	9.3°N	107.3°E
2	5	SOUTHEAST GULF OF SIAM	9.3°N	103.7°E
	6	NORTH GULF OF SIAM	12.0°N	101.0°E
	7	SOUTHWEST GULF OF SIAM	9.0°N	101.0°E
3	8	KUALA TRENGGANU	5.5°N	104.4°E
	9	ENDAU	2.6°N	104.9°E
	10	SOUTH MALACCA STRAIT	2.1°N	102.0°E
	11	NORTH MALACCA STRAIT	6.0°N	99.0°E
4	12	VICTORIA POINT	10.0°N	96.8°E
	13	RANGOON	14.3°N	96.5°E
	14	PAGODA POINT	15.7°N	93.3°E